

958854



PHASE II LIMITED SUBSURFACE INVESTIGATION

OF THE

**ELECTRO POLISH SITE
529 HUNTER AVENUE
DAYTON, MONTGOMERY COUNTY, OHIO 45404**

PREPARED FOR

**STACHLERHARMON
7810 MCEWEN ROAD
SUITE B
DAYTON, OHIO 45459
ATTN: MATTHEW T. TIPTON, ATTORNEY-AT-LAW**

PROJECT NUMBER 068-17

DATE: AUGUST 31, 2017



August 31, 2017

Matthew T. Tipton
Attorney-At-Law
StachlerHarmon
7810 McEwen Road, Suite B
Dayton, Ohio 45459

**RE: PHASE II LIMITED SUBSURFACE INVESTIGATION
ELECTRO POLISH SITE
529 HUNTER AVENUE
DAYTON, MONTGOMERY COUNTY, OHIO 45404
MAKSOLVE PROJECT NUMBER 068-17**

Dear Mr. Tipton:

MAKSolve, LLC ("MAKSolve") has completed a Phase II Limited Subsurface Investigation (LSI) at the Electro Polish Site, located at 529 Hunter Avenue in Dayton, Ohio 45373 (subject property). The LSI was completed to determine if subsurface soil and/or groundwater conditions have been adversely impacted by historic operations at the subject property, on adjoining properties and from areas of known contamination within the region. The attached report provides details of the investigation.

MAKSOLVE has completed this work according to generally accepted standards and practices of engineers and environmental consultants performing such work, and the statements contained in the report are true and accurate to the best of our knowledge. This investigation report has been prepared for the exclusive use of StachlerHarmon.

Sincerely,
MAKSOLVE, LLC

A handwritten signature in blue ink that reads "John Bowen".

John Bowen
Senior Project Manager

A handwritten signature in blue ink that reads "Michael A. Kerr".

Michael A. Kerr
Managing Partner

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EXECUTIVE SUMMARY

MAKSolve, LLC ("MAKSolve") has completed a Phase II Limited Subsurface Investigation (LSI) at the Electro Polish Site, located at 529 Hunter Avenue, Dayton, Ohio 45373 (subject property). The subject property on which the LSI was performed consists of five contiguous irregular-shaped parcels, totaling approximately 1.48-acres and is improved with four industrial/commercial type structures with an associated office, totaling approximately 29,660 square feet in size (subject buildings). The Montgomery County Auditor identifies the parcels as R72 05702 0033, R72 05702 0067, R72 05702 0069, R72 05702 0070 and R72 05702 0108.

The LSI was conducted to evaluate if subsurface soil and/or groundwater conditions have been adversely impacted by the historic use of hazardous substances at the subject property, areas of floor staining, former oil pits, the use of a vapor degreaser, vapor encroachment from the Behr Dayton Thermal Systems VOC Plume, a potential underground storage tank and the historic use of the adjoining property. These areas of concern were identified as Recognized Environmental Conditions (RECs) by MAKSolve as part of a Phase I Environmental Site Assessment (Phase I) conducted at the subject property and detailed in an accompanying report dated August 8, 2017.

To determine if a UST was present at the subject property a scan of the ground surface surrounding the Office Building and Chem Film Building was conducted using ground penetrating radar technology. No evidence of a tank or former tank was observed.

In addition, to evaluate the potential impact of these RECs, seven soil borings (SB-1 through SB-7) and three sub-slab vapor points were installed at the subject property. The soil borings were installed within the subject buildings and the surrounding grounds in locations selected most likely to encounter subsurface impact. Soil samples were collected from each soil boring along with groundwater samples from four of the borings. The sub-slab vapor samples were collected from interior locations of the Office Building, within the power coat storage room of the Chem Film Building and near the black oxide line in the Electro Polish Building. The soil, groundwater and vapor samples were submitted to an environmental laboratory for various chemical of concern (COC) analysis based on their location, including volatile organic compounds (VOCs), poly-nuclear aromatic hydrocarbons (PAHs) and Resource Conservation and Recovery Act (RCRA) metals, all per their appropriate Test Methods. All soil samples; analytical results were compared to the Ohio Environmental Protection Agency (OEPA) Voluntary Action Program (VAP) Generic Direct Contact Soil Standards (GDCSS) for a Commercial/Industrial and Residential scenarios. All groundwater sample analytical results were compared to the VAP Unrestricted Potable Use Standard (UPUS). The vapor samples

were compared to the United States Environmental Protection Agency (EPA) Office of Solid Waste and Emergency Response, Vapor Intrusion Screening Levels (VISL) using a commercial setting and a Target Cancer Risk Level of 10^{-5} , as recommended by the OEPA.

Laboratory analytical results of the soil samples collected reported several COCs above method detection limits, however, all below their respective Residential and Commercial/Industrial GDCSS.

Laboratory analytical results of groundwater samples collected reported varying concentrations of arsenic, barium, chromium and lead above their respective UPUS. However, these groundwater impacts appear to be the results of excessive sediment loading in the groundwater during sample collection and not an accurate representation of dissolved phase metals' concentrations. For comparative purposes and to validate this assumption, groundwater sample SBW-6 was split into duplicates, with the duplicated sample being laboratory filtered using a 0.5-micron filter prior to analysis. The resulting metals concentrations were all below method detection limits. All PAHs were reported below method detection limits. One VOC, trichloroethylene was detected at a concentration of 53 micrograms per liter (ug/L) from groundwater sample SBW-6, above its UPUS of 5 ug/L

The laboratory analysis of the sub-slab vapor samples reported several VOCs above method detection limits, with exceedances only to the TCE VISL of 290 micrograms per cubic meter (ug/m³) from vapor sample 068-VS-1 (Electro Polish Building) at 5,210 ug/m³; 068-VS-2 (powder coat room) at 2,940 ug/m³ and 068-VS-3 (Office Building) at 2,450 ug/m³.

Based on field screening evidence and laboratory analytical results, historic operations at the subject property appear to have had minimal impact to subsurface conditions. It is the opinion of MAKSolve that the TCE impacted groundwater and vapor samples are the result of regional groundwater contamination potentially associated with the Behr Dayton Thermal Systems VOC Plume. As the subject property is connected to municipally supplied potable water, exposure to the impacted groundwater is not a likely event. In addition, as the source is potentially off-site, remediation is not a recommendation at this time.

To mitigate concerns associated with vapor encroachment and potential vapor intrusion, MAKSolve recommends installation of a sub-slab depressurization system (SSDS). These systems are designed to function by creating a pressure difference across the building slab to prevent soil gas entry into the building. Creating this pressure difference is accomplished by extracting soil gas from beneath the slab and venting it to the atmosphere. Between five and eight systems would be anticipated to address the Office Building, Chem Film Building and Electro Polish Building. The systems would be installed within the interior and along the exterior of each building, along with diagnostic testing and follow-up vapor sampling. System installation would take between one and two weeks.

While MAKSolve does not warrant the absence of localized subsurface contamination on or under the subject property, it is MAKSolve's opinion that the specific areas investigated in this LSI represent the areas of the subject property most likely to have been adversely impacted by former operations at and adjoining the subject property.

1.0 INTRODUCTION

MAKSolve, LLC (“MAKSolve”) has completed a Phase II Limited Subsurface Investigation (LSI) at the Electro Polish Site, located at 529 Hunter Avenue, Dayton, Ohio 45373 (subject property). The subject property on which the LSI was performed consists of five contiguous irregular-shaped parcels, totaling approximately 1.48-acres and is improved with four industrial/commercial type structures with an associated office, totaling approximately 29,660 square feet in size (subject buildings). The Montgomery County Auditor identifies the parcels as R72 05702 0033, R72 05702 0067, R72 05702 0069, R72 05702 0070 and R72 05702 0108.

The LSI was conducted to evaluate if subsurface soil and/or groundwater conditions have been adversely impacted by the historic operations on and off the subject property. Based on a Phase I Environmental Site Assessment (ESA), dated August 8, 2017 completed by MAKsolve, seven (7) recognized environmental conditions (RECs) were identified, which are summarized below:

- The use and discharge of hazardous substances, especially prior to current regulatory and pre-treatment oversight;
- Several areas of floor staining and concrete corrosion were observed within the subject buildings;
- Two former “oil pits” were observed in the Chem Film Building. These pits were used by the former occupant Bront Machinery as oil collection sumps. The pits have since been filled;
- Vapor encroachment from the Behr Dayton Thermal Systems VOC Plume site;
- The Electro Polish Building at 332 Vermont Avenue formerly operated a vapor degreaser, using a chlorinated solvent since at least the 1980s to the 1990s;
- Permit to install a 700-gallon underground storage tank (UST) at 521 Hunter Avenue around 1973.
- Crystal Rug Cleaning Company, Incorporated at 901 North Keowee Street, adjoins the subject property in an upgradient position to the east. This business, a commercial dry cleaner, operated from 1933 until 1980.

2.0 SCOPE OF WORK

Based on the above RECs identified by MAKSolve, the following Scope of Services has been developed by MAKSolve to assess the potential environmental concerns and identify if additional action is warranted to address any issues revealed.

1. Scheduled, as mandated by the State of Ohio, a utilities clearance by the Ohio Utility Protection Service (OUPS).
2. Coordinated with a private subcontractor using geophysical surveying methods to survey the areas of concern for utility clearance purposes and to identify subsurface features of concern such as USTs.
3. Mobilized to the site a minimum of 48 hours after calling OUPS and advanced seven (7) soil borings to a maximum depth of 18 feet below ground surface (bgs) or to probe refusal, whichever came first. The boring locations were selected based on the specific REC, as detailed in the Boring Summary table below. See also Figures, 1, 2 and 3, for site location and boring location maps.
4. During execution of the soil borings, soil samples were continuously collected, lithologically classified and were visually inspected and field screened with a photoionization detector (PID). One soil sample from the boring interval exhibiting the greatest potential for impact (i.e. highest PID reading, odors, staining, soil-water interface, etc.) was selected for laboratory analysis. Each soil sample selected was submitted to ALS Environmental, in Blue Ash, Ohio for chemical of concern (COC) analysis, per the appropriate test methods, as show below in the Sample Analytical Summary table.
5. One grab groundwater sample was collected from four (4) of the seven (7) borings. The groundwater samples were submitted to ALS Environmental for COC analysis, per the appropriate test methods, as show below in the Sample Analytical Summary table.
6. Installed one sub-slab vapor point through the floor of the Office Building at 529 Hunter Avenue, within the powder coat room of the Chem Film Building and within the Electro Polish Building at 332 Vermont Street to collect a sub-slab vapor sample. The samples were collected utilizing a 1-liter Summa™ canister calibrated for a 5-minute sample collection time. The samples were submitted to ALS Environmental, in Blue Ash, Ohio for volatile organic compound analysis (VOC) per EPA Method TO-15.

BORING SUMMARY

REC	Borings/Vapor Point per REC	Soil samples per boring	Groundwater samples per REC	Vapor samples per REC
Historic discharge of hazardous substances	2	1	1	0
Vapor degreaser and floor staining	2	1	1	1
Behr Plume	3	0	1	2
Oil Pits	2	1	0*	0
Adjoining former dry cleaner	1	0	1	0
Total	10	5	4	3

*groundwater sample could not be retrieved due to probe refusal

SAMPLE ANALYTICAL SUMMARY

REC	Media	RCRA Metals	VOCs	PAHs
Historic discharge of hazardous substances	Soil	2	2	2
	Groundwater	1*	1	1*
Vapor degreaser and floor staining	Soil	1	1	1
	Groundwater	1	1	1
	Vapor	-	1	-
Behr Plume	Soil	-	-	-
	Groundwater	-	1	-
	Vapor	-	2	-
Oil Pits	Soil	-	2	2
	Groundwater	-	-	-
Adjoining former dry cleaner	Soil	-	-	-
	Groundwater	-	1	-
TOTAL		5	12	7

*one groundwater sample for PAHs and RCRA metals will be lab filtered

VOCs – volatile organic compounds

PAHs – poly nuclear aromatic hydrocarbons

RCRA – Resource Conservation and Recovery Act

7. Upon completion of each soil boring, the boring were backfilled with a mixture of soil from the borehole and bentonite clay pellets to a point even with the base of the finished grade, depending on the location of the boring.

All data obtained from the above described field activities has been compared to the appropriate action levels as published by the Ohio Environmental Protection Agency, Voluntary Action Program (VAP), using the Generic Direct Contact Soil Standards for soil and the Unrestricted Potable Use Standards for groundwater. While this site is not entered into the VAP, the VAP standards are the most applicable for comparison purposes. All vapor sample data have been compared to the United States Environmental Protection Agency (EPA) Office of Land and Emergency Management, Vapor Intrusion Screening Levels.

Soil boring activities were initiated and completed on August 11, 2017. At the time of the investigation, weather conditions were cloudy with a temperature of approximately 80 degrees Fahrenheit.

In Appendix 1, an excerpt from the United State Geological Survey topographic quadrangle, Dayton North, Ohio (1996) is provided as Figure 1, showing the subject property location; a Tax Map is provided as Figure 2, showing the subject property boundaries and a Boring Location Map is provided as Figure 3.

3.0 FIELD ACTIVITIES

3.1 Soil Boring Locations

A total of seven (7) soil borings (SB-1 – SB-7) were advanced on-site during the site mobilization of August 11th, 2017. Soil borings SB-1 and SB-2 were advanced in the northeastern and southeastern corners of the subject property, to address potential off-site impacts from the Behr Plume and former dry cleaning business, respectively. Soil boring SB-3 was advanced adjacent to the southern exterior wall of the Electro Polish Building, outside the area reported to be the former location of the vapor degreaser. Soil borings SB-4 and SB-5 were advanced adjacent to the former oil pits located in the Chem Film Building. Soil boring SB-6 was advanced adjacent to the current and former waste water treatment apparatus, within the Electro Polish Building. Soil boring SB-7, was advanced at the western end of the anodizing line in the Electro Polish Building.

The soil boring locations are depicted in Figure 3, Boring Location Map, provided in Appendix 1. Photographs of the drilling operation are provided in Appendix 2.

3.2 Drilling and Sampling Procedures

All subsurface soil samples were obtained from the interior of the subject buildings using an all-terrain vehicle-mounted Geoprobe 5400 and all exterior samples were obtained using a

Dietrich D-50 direct push sampler. Upon completion, all borings were backfilled with the removed soil cuttings and bentonite to surface grade. Soil samples were continuously collected throughout each boring. The soil samples were visually inspected, lithologically classified, and field screened to determine potential for impact. Soil samples were field screened by typical headspace procedures, with a MiniRae 3000 photoionization detector (PID). The PID was calibrated to 100 parts per million (ppm) isobutylene prior to sampling. The soil samples that exhibited the greatest potential for impact (i.e. highest PID reading, odor, staining, soil/groundwater interface, etc.) were submitted for laboratory analysis. One soil sample from five (5) of seven (7) of borings was selected and submitted. Each soil sample was placed in a 4 ounce, clear glass, wide mouth jar which was sealed with a Teflon lined screw cap.

Soil borings were advanced until groundwater was encountered or to probe refusal. Soil borings SB-1, SB-2 and SB-3 were advanced to 18 feet bgs and soil boring SB-6 was advanced to 17 feet. One grab groundwater sample was collected from each of these four borings for which the samples were labeled based on the soil boring from which they came: SBW-1, SBW-2, SBW-3 and SBW-6. Collection of the groundwater samples was facilitated via the installation of a temporary $\frac{3}{4}$ inch PVC monitoring well into the bore hole. Each temporary well was installed using 5 feet of factory slotted screen and up to 35 feet of riser. Sampling of the groundwater occurred utilizing inertial extraction methods, by inserting a length of polyethylene tubing, fitted with a stainless steel check valve into the wells to a point below the groundwater surface. The tubing was then moved in an up-down motion, allowing water to enter and not escape, without the end of the tubing breaking the groundwater surface. The water is then pushed through the tubing and dispensed. Groundwater samples collected for VOC analysis were placed into two 40 milliliter clear glass vials preserved with hydrochloric acid and sealed with Teflon lined septum caps. Groundwater samples collected for PAH analysis were placed in unpreserved 250 milliliter amber jars, sealed with a Teflon lined screw cap. Groundwater collected for RCRA metals analysis were placed in on 250 milliliter plastic jars preserved with nitric acid. Groundwater sample SBW-6 was collected in duplicate, with one aliquot collected in the preserved jar and one in an unpreserved jar. The unpreserved sample was filtered at the laboratory using a 0.5-micron sized filter, prior to analysis. The split sample and filtration was completed to account for turbidity in the groundwater sample, which often can positively bias metals and PAH concentrations in groundwater.

Soil borings SB-4, SB-5 and SB-7 were advanced to seven, eight and six feet bgs, respectively. Due to the lithology consisting of large cobbles and boulders, restricting the advancement of the Geoprobe, the shallow aquifer was not accessible from these three borings, therefore, groundwater samples were not obtained from these locations.

All soil and groundwater samples were cooled to 4°C and maintained at this temperature until delivery to the laboratory. The samples were delivered to ALS Environmental in Blue Ash, Ohio, under standard chain of custody protocol. All equipment coming into contact with sample media was decontaminated with phosphatic soap wash and triple rinsed with distilled water. The field geologist used fresh vinyl gloves prior to collection of each sample.

Based on field screening evidence, soil samples were collected from the 8-10 foot depth interval from soil boring SB-3; the 6-7 foot depth interval from SB-4, the 2-4 foot depth interval from soil boring SB-5, the 6-8 foot depth interval from soil boring SB-6 and the 0-2 foot depth interval from soil boring SB-7.

All soil sample analytical results were compared to the Ohio Environmental Protection Agency (OEPA), Voluntary Action Program (VAP) Generic Direct Contact Soil Standards (GDCSS) for a residential and commercial/industrial land-use scenario. All groundwater sample analytical results were compared to the VAP Unrestricted Potable Use Standard (UPUS).

Three sub-slab vapor samples were collected via the installation of a boring through the concrete floor of the Office Building, the Electro Polish Building and the Chem Film Building using a rotary impact drill and 5/8-inch concrete bit. A Vapor Pin® was immediately installed into the open holes. A water seal was placed above the silicon seal between the concrete and the Vapor Pins® to ensure basement air did not seep into the sub-surface vapor samples. A laboratory-provided section of polyethylene tubing was connected to the Vapor Pins® and the tubing and open bore hole were purged using a syringe. The laboratory-cleaned Summa® canisters were immediately connected to the purged tubing using a compression fitting. The samples were collected into the Summa® canisters with a regulator set to collect 1 liter of vapor in approximately 5 minutes. At the completion of the 5 minute collection period, MAKSolve recorded the final vacuum pressure and sealed the Summa® canisters.

The sealed Summa® canisters from the sub-slab sample locations were delivered to ALS Laboratory in Blue Ash, Ohio. The Summa® canister samples were analyzed for VOCs using the EPA TO-15 analytical method. The sub-slab vapor sample analytical results were compared to the United States Environmental Protection Agency (EPA), Vapor Intrusion Screening Levels (VISL) using a commercial setting and a Target Cancer Risk Level of 10^{-5} , as recommended by the OEPA.

3.3 Soil and Groundwater Condition and Field Screening Results

The soil profile was determined at each boring location. The lithology from each soil boring was generally similar, with slight variations between borings, and is summarized as follows:

From the surface, below the asphalt, concrete and/or topsoil, the soil generally consisted of a dark brown, dry silty clay with gravel to a depth ranging from 4-5 feet bgs. From 4-5 feet bgs,

the soil transitioned to a brown, moist to wet, poorly sorted sand and gravel with traces of clay to boring termination.

No visual or olfactory evidence of impact was noted in the soil samples collected from the borings. PID readings from all the soil borings ranged from 0.0 and 11.7 parts per million (ppm)

Soil boring logs are included in Appendix 3. Results of the field screening are provided in Appendix 4, Table 1.

4.0 LABORATORY ANALYTICAL RESULTS

4.1 Soil

The soil samples exhibiting the greatest potential for adverse impact from soil borings SB-3, SB-4, SB-5, SB-6 and SB-7 were submitted for laboratory analysis. All soil samples were analyzed for volatile organic compound (VOCs) per Test Method 8260 and poly nuclear aromatic hydrocarbons (PAHs) per Test Method 8270. Soil samples from soil borings SB-3, SB-6 and SB-7 were additionally analyzed for RCRA metals per Test Method 6010B and 7471A.

Results of the soil samples' analysis are tabulated in Appendix 4, Table 2. The laboratory report and a copy of the chain of custody form are included in Appendix 5.

Based on laboratory analytical results, trichloroethylene (TCE) was reported at a concentration of 0.013 milligrams per kilogram (mg/kg) in the soil sample submitted from SB-5, below its GDCSS for a Residential scenario of 11 mg/kg. No additional VOCs were reported above method detection limits in the soil samples submitted.

Based on laboratory analytical results, anthracene was detected at a concentration of 0.44 mg/kg from SB-7, below its GDCSS for a Residential scenario of 34,000 mg/kg. Benzo(a)anthracene was detected at a concentration of 0.15 mg/kg and 0.33 mg/kg from SB-5 and SB-7, respectively, below its GDCSS for a Residential scenario of 12 mg/kg. Chrysene was detected at a concentration of 0.38 mg/kg from SB-7, below its GDCSS for a Residential scenario of 1,200 mg/kg. Fluoranthene was detected at a concentration of 0.27 mg/kg and 0.59 mg/kg from SB-5 and SB-7, respectively, below its GDCSS for a Residential scenario of 4,600. Indeno(1,2,3-cd)pyrene was detected at a concentration of 0.13 mg/kg from SB-5, below its GDCSS for a Residential scenario of 12 mg/kg. Phenanthrene was detected at a concentration of 0.43 mg/kg from SB-7, below its GDCSS for a Residential scenario of 36,000 mg/kg. Pyrene was detected at a concentration of 0.25 mg/kg and 0.51 mg/kg from SB-5 and SB-7,

respectively, below its GDCSS for a Residential scenario of 3,400 mg/kg. No additional PAHs were reported above method detection limits.

The RCRA metals arsenic, barium, cadmium, chromium and lead were detected at varying concentrations as well as below method detection limits in the soil samples submitted. All detected concentrations were below their respective GDCSS for a Residential scenario.

4.2 Groundwater

During this investigation a shallow groundwater aquifer was encountered between 14 and 15 feet bgs. One groundwater sample each was collected from soil borings SB-1 (SBW-1), SB-2 (SBW-2), SB-3 (SBW-3) and SB-6 (SBW-6). All four groundwater samples were analyzed for VOCs, with SBW-3 and SBW-6 (filtered and unfiltered) analyzed for PAHs and RCRA metals, per their appropriate Test Methods.

Results of the groundwater samples' analysis are tabulated in Appendix 4, Table 3. The laboratory report and a copy of the chain of custody form are included in Appendix 5.

Based on laboratory analytical results, TCE was reported at a concentration of 53 micrograms per liter ($\mu\text{g}/\text{L}$) in SBW-6, above its UPUS of 5 $\mu\text{g}/\text{L}$. No additional VOCs were reported above method detection limits in the groundwater samples submitted.

No PAHs were detected in any of the groundwater samples submitted.

Arsenic, barium, chromium and lead were reported above method detection limits in SBW-1 and SBW-3 (unfiltered). Arsenic exceeded the UPUS of 10 $\mu\text{g}/\text{L}$ in SBW-3 and SBW-6 (unfiltered) at a concentration of 84 $\mu\text{g}/\text{L}$ and 470 $\mu\text{g}/\text{L}$, respectively; barium exceeded the UPUS of 2,000 $\mu\text{g}/\text{L}$ in SBW-6 (unfiltered) at a concentration of 4,100 $\mu\text{g}/\text{L}$; chromium exceeded the UPUS of 100 $\mu\text{g}/\text{L}$ in SBW-6 (unfiltered) at a concentration of 200 $\mu\text{g}/\text{L}$ and lead exceeded the UPUS of 15 $\mu\text{g}/\text{L}$ in SBW-3 and SBW-6 (unfiltered) at a concentration of 82 and 290 $\mu\text{g}/\text{L}$, respectively.

The filtered groundwater sample for SBW-6 reported all metals and PAH constituents below method detection limits.

4.2 Sub-Slab Vapor

Results of the sub-slab vapor samples analysis are tabulated in Appendix 4, Table 4. The laboratory report and a copy of the chain of custody form are included in Appendix 5.

Nineteen of the 61 compounds analyzed were detected at concentrations above their respective method detection limits. The EPA VISL Calculator was used to assess potential vapor intrusion issues associated with vapor from soil or groundwater beneath the buildings migrating upward toward the building slabs in a commercial setting. Entering the detected concentrations of each compound into the calculator revealed only TCE exceeded the

commercial non-cancer exposure concentration and the cumulative cancer risk goal exposure concentration of 290 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$). These calculations were made using a Target Cancer Risk Level of 10^{-5} and a Target Hazard Quotient for Non-carcinogens of 1, as recommended by the Ohio EPA. The calculations were also run for a commercial setting. TCE was detected in vapor sample 068-VS-1 (Electro Polish Building) at a concentration of 5,210 $\mu\text{g}/\text{m}^3$, in 068-VS-2 (powder coat room) at a concentration of 2,940 $\mu\text{g}/\text{m}^3$ and in 068-VS-3 (Office Building) at a concentration of 2,450 $\mu\text{g}/\text{m}^3$.

6.0 CONCLUSIONS

MAKSolve, LLC (“MAKSolve”) has completed a Phase II Limited Subsurface Investigation (LSI) at the Electro Polish Site, located at 529 Hunter Avenue, Dayton, Ohio 45373 (subject property). The LSI was conducted to evaluate if subsurface soil and/or groundwater conditions have been adversely impacted by the historic use of the subject, adjoining properties and properties within the region and to determine if a UST existed at the subject property. To complete the LSI, soil, groundwater and sub-slab vapor samples were collected throughout the subject property, submitted to environmental laboratory for chemicals of concern (COCs) analysis, for which the results were compared to applicable standards established by the OEPA and United States EPA. In addition the ground surface surrounding the Chem Film and Office Building were scanned, via ground penetrating radar, for evidence of current or former USTs.

Based on the results of the LSI, no evidence of a UST or former UST was discovered at the subject property.

Laboratory analytical results of the soil samples collected, reported several COCs above method detection limits, however, all below their respective Residential and Commercial/Industrial GDCSS.

Laboratory analytical results of groundwater samples collected reported varying concentrations of metals including arsenic, barium, chromium and lead above their respective UPUS. However, these groundwater impacts appear to be the results of excessive sediment loading based on the results of a duplicate lab-filtered sample from SBW-6, reporting all metals concentrations below method detection limits. All PAHs were reported below method detection limits. One VOC, trichloroethylene was detected at a concentration of 53 micrograms per liter (ug/L) from groundwater sample SBW-6, above its UPUS of 5 ug/L. No other VOCs were detected in the groundwater samples submitted.

The laboratory analysis of the sub-slab vapor samples reported several VOCs above method detection limits, with exceedances only to the TCE VISL of 290 micrograms per cubic meter (ug/m³) from vapor sample 068-VS-1 (Electro Polish Building) at 5,210 ug/m³; 068-VS-2 (powder coat room) at 2,940 ug/m³ and 068-VS-3 (Office Building) at 2,450 ug/m³.

Based on field screening evidence and laboratory analytical results, historic operations at the subject property appear to have had minimal impact to subsurface conditions. As the subject property is connected to municipally supplied potable water, exposure to the impacted groundwater is not a likely event. In addition, as the source is potentially off-site, remediation is not a recommendation at this time.

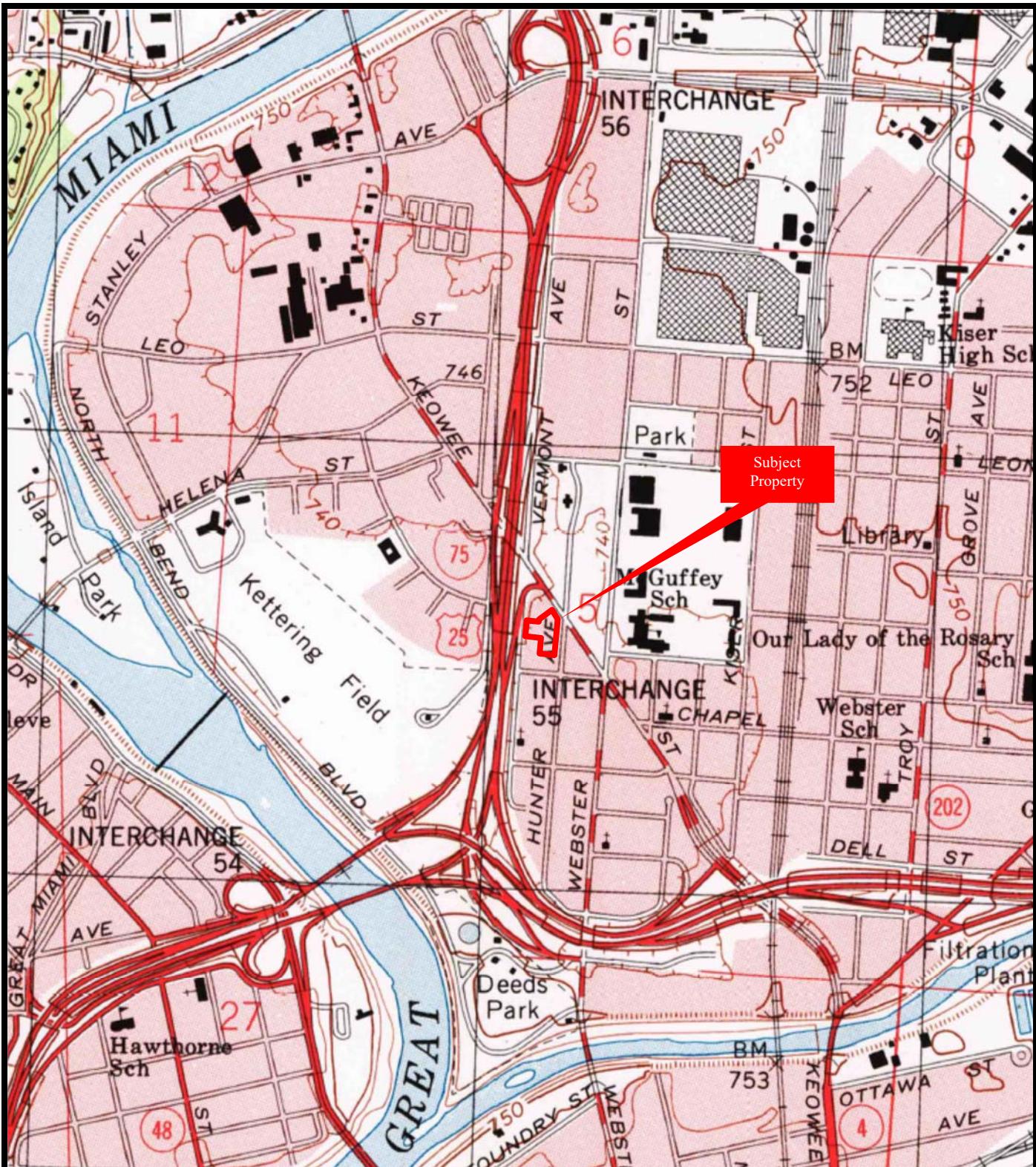
To mitigate concerns associated with vapor encroachment and potential vapor intrusion, MAKSolve recommends installation of a sub-slab depressurization system (SSDS). These systems are designed to function by creating a pressure difference across the building slab to prevent soil gas entry into the building. Creating this pressure difference is accomplished by extracting soil gas from beneath the slab and venting it to the atmosphere. Between five and eight systems would be anticipated to address the Office Building, Chem Film Building and Electro Polish Building. The systems would be installed within the interior and along the exterior of each building, along with diagnostic testing and follow-up vapor sampling. System installation would take between one and two weeks.

While MAKSolve does not warrant the absence of localized subsurface contamination on or under the subject property, it is MAKSolve's opinion that the specific areas investigated in this LSI represent the areas of the subject property most likely to have been adversely impacted by former operations at and adjoining the subject property.

7.0 APPENDICES

APPENDIX 1

FIGURES



Source	Date	Revision	Project
USGS	1996	NA	06600-17
Figure 1		Dayton North, Ohio 7.5 Minute Topographic Map	

Figure 1

Dayton North, Ohio 7.5 Minute Topographic Map



Electro Polish Site
529 Hunter Avenue
Dayton, Ohio 45404





Source	Date	Project
Montgomery County Auditor	2017	060-17
Figure 2		Tax Map

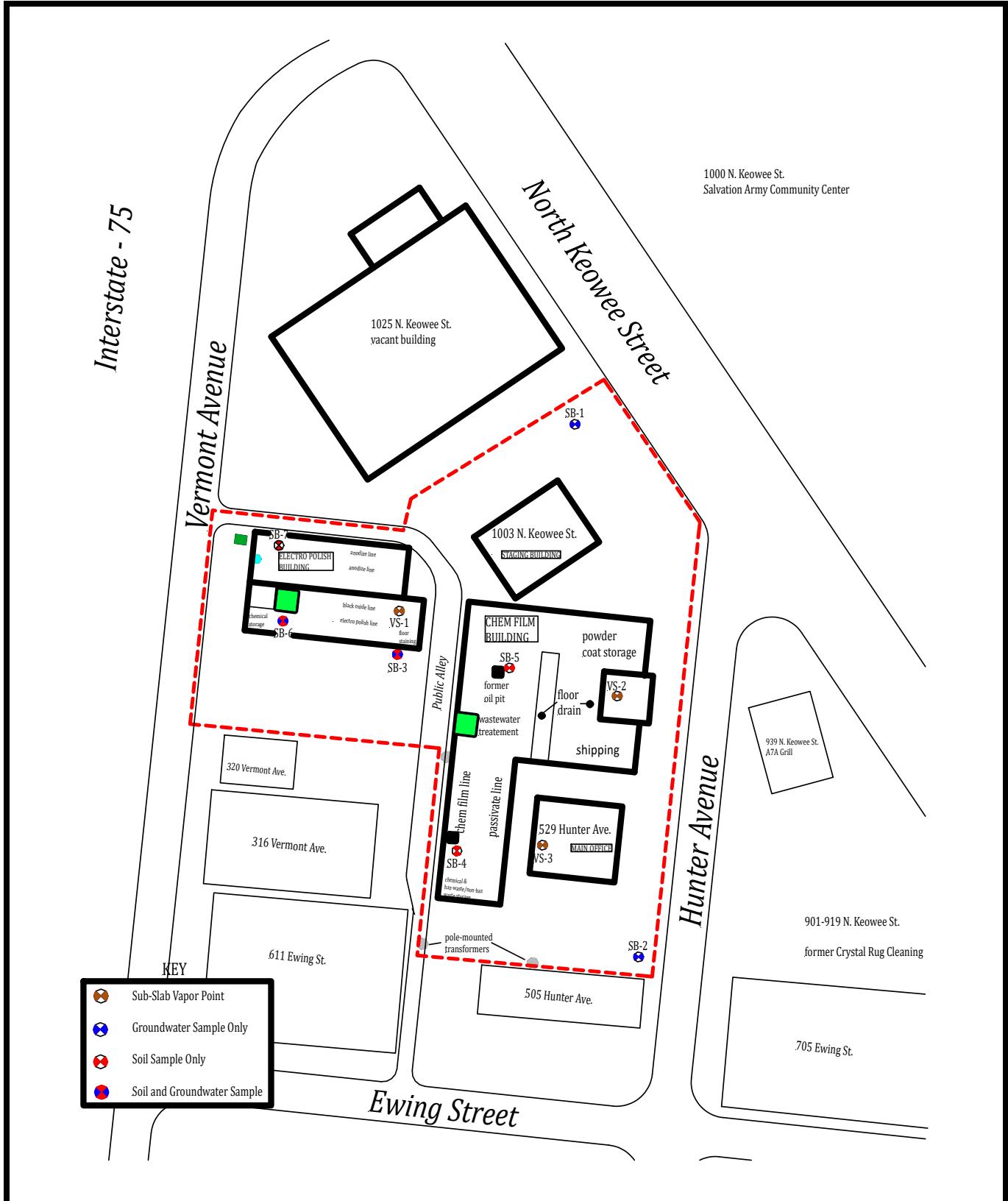


Figure 3

Boring Location Map

Date
August 11, 2017

APPENDIX 2

PHOTOGRAPHS

Project name: Electro Polish Site Phase II
Project No.: 68-17
Date Pictures Taken: August 11, 2017

MAK / Solve



Photograph 1: Soil boring SB-1



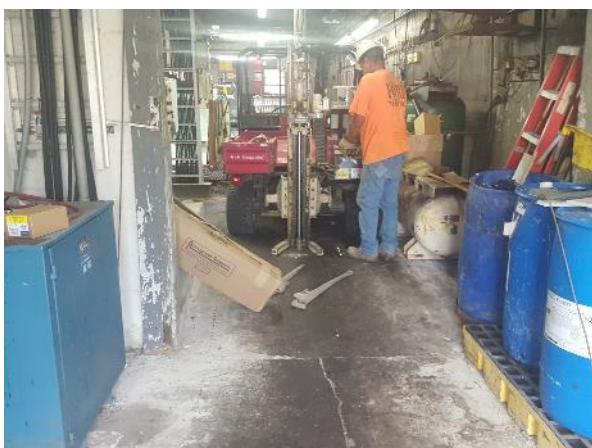
Photograph 2: Soil boring SB-2



Photograph 1: Soil boring SB-3



Photograph 4: Soil boring SB-4



Photograph 5: Soil boring SB-6



Photograph 6: Soil boring SB-7

APPENDIX 3

BORING LOGS



261 Regency Ridge
Dayton, OH 45459
Phone: 937.815.6949
www.maksolve.com

BOREHOLE NO.

SB-1

PROJECT INFORMATION		DRILLING INFORMATION		
Project:	Electro Polish	Drilling Co.:	FORE Testing	Ground Elevation: --
Address:	529 Hunter Avenue	Driller:	R. Bender & K. Pride	TOC Elevation: N/A
City, State:	Dayton, Ohio	Rig Type:	Diedrich D50	Northing: --
Job No.	068-17	Tooling:	HSA-Direct Push	Easting: --
Logged By:	K. Ulery	Sampler Type:	3' sleeve	
Date Drilled:	11-Aug-17	Total Depth (feet):	18'	
DEPTH (ft)	SOIL DESCRIPTION	SAMPLE	RECOVERY	PID (ppm)
1	Asphalt, fill			9.8
2	Light-medium brown SANDY GRAVEL, dry, loose		20"	5.3
5	Dark brown SILTY CLAY, slightly moist, with SAND and GRAVEL		--	--
7				11.1
10			20"	5.5
14	Light brown SAND and GRAVEL, loose, very slightly moist, large COBBLES up to 2"			11.7
14.5			17"	1.5
18			4"	
20	Boring terminated		8"	
NOTES:	Crushed liner 12-15, poor recovery, used another liner to go back and get more			Page _1_ of _1_
	SAA = Same As Above			



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BOREHOLE NO.
SB-2

PROJECT INFORMATION		DRILLING INFORMATION			
Project:	Electro Polish	Drilling Co.:	FORE Testing	Ground Elevation:	--
Address:	529 Hunter Avenue	Driller:	R. Bender & K. Pride	TOC Elevation:	N/A
City, State:	Dayton, Ohio	Rig Type:	Diedrich D50	Northing:	--
Job No.	068-17	Tooling:	HSA-Direct Push	Easting:	--
Logged By:	K. Ulery	Sampler Type:	3' sleeve		
Date Drilled:	11-Aug-17	Total Depth (feet):	18'		
DEPTH (ft)	SOIL DESCRIPTION	SAMPLE	RECOVERY	PID (ppm)	WELL DESCRIPTION
1	Asphalt, fill			0.0	
2	Black moist SILTY SANDY CLAY with loose GRAVEL		22"	6.6	
5	firmer SILTY CLAY, black, slightly moist, trace GRAVEL		14"	0.4	
6	Light brown SAND/GRAVEL , some CLAY, loose, slightly moist			0.4	
7	SAND and GRAVEL, loose, very dry, with COBBLES up to 1", no CLAY			0.1	
9			15"	0.4	
10	Medium brown SILTY CLAY with SAND and GRAVEL, soft			0.1	
	SAND and GRAVEL, some SILTY CLAY, dry		8"	0.4	
12					
12.5	SAA, moist Saturated, SAND and GRAVEL, some CLAY, medium brown, loose, poorly sorted		18"		
18			14"		
20	Boring terminated				
NOTES:	SAA = Same As Above				Page <u>_1_</u> of <u>_1_</u>



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BOREHOLE NO.
SB-3

PROJECT INFORMATION		DRILLING INFORMATION			
DEPTH (ft)	SOIL DESCRIPTION	SAMPLE	RECOVERY	PID (ppm)	WELL DESCRIPTION
1	Grass/gravel			0.0	
4	Dark brown SILTY CLAY with GRAVEL, very loose, large COBBLE @ 3'		5"	0.0	
5	SAND and GRAVEL, slightly moist, light to medium brown, large COBBLES up to 1.5" SAA, very loose		15"	0.0	
6					
10			13"	0.0	
12			11"	1.4	
15				0.0	
16	Saturated medium brown SAND, coarse		10"	0.0	
18	GRAVEL with SAND		23"		
20	Boring terminated				
NOTES:	SAA = Same As Above				Page <u>_1_</u> of <u>_1_</u>

		261 Regency Ridge Dayton, OH 45459 Phone: 937.815.6949 www.maksolve.com		BOREHOLE NO. SB-4	
PROJECT INFORMATION		DRILLING INFORMATION			
Project:	Electro Polish	Drilling Co.:	FORE Testing	Ground Elevation:	--
Address:	529 Hunter Avenue	Driller:	R. Bender & K. Pride	TOC Elevation:	N/A
City, State:	Dayton, Ohio	Rig Type:	Mule	Northing:	--
Job No.	068-17	Tooling:	HSA-Direct Push	Easting:	--
Logged By:	K. Ulery	Sampler Type:	3' sleeve		
Date Drilled:	11-Aug-17	Total Depth (feet):	7'		
DEPTH (ft)	SOIL DESCRIPTION	SAMPLE	RECOVERY	PID (ppm)	WELL DESCRIPTION
1	Concrete			0.0	
2	Medium brown SILTY CLAY, medium soft		14"		
4	SAA with GRAVEL up to 1", black soil, no odor			0.0	
5	SAND and GRAVEL, slightly moist, light to medium brown, large COBBLES up to 2"		20"	0.0	
6					
7	SAA, very loose	X	11"	0.7	
10	Refusal				
15					
18					
20					
NOTES:	oil pit SAA = Same As Above			Page <u>1</u> of <u>1</u>	

		261 Regency Ridge Dayton, OH 45459 Phone: 937.815.6949 www.maksolve.com		BOREHOLE NO. SB-5	
PROJECT INFORMATION		DRILLING INFORMATION			
Project:	Electro Polish	Drilling Co.:	FORE Testing	Ground Elevation:	--
Address:	529 Hunter Avenue	Driller:	R. Bender & K. Pride	TOC Elevation:	N/A
City, State:	Dayton, Ohio	Rig Type:	Mule	Northing:	--
Job No.	068-17	Tooling:	HSA-Direct Push	Easting:	--
Logged By:	K. Ulery	Sampler Type:	3' sleeve		
Date Drilled:	11-Aug-17	Total Depth (feet):	8'		
DEPTH (ft)	SOIL DESCRIPTION	SAMPLE	RECOVERY	PID (ppm)	WELL DESCRIPTION
1	Concrete			0.0	
2	Dark brown/black SILTY CLAY, medium soft, trace GRAVEL		10"	0.5	
5	SANDY GRAVEL up to 1", very slightly moist, dark brown, transitioning to black moist @ 2.5'	X	20"	0.1	
8	SAND/GRAVEL, light brown, very slightly moist, loose		11"	0.0	
10	Refusal				
15					
20					
NOTES:	SAA = Same As Above			Page <u>1</u> of <u>1</u>	

		261 Regency Ridge Dayton, OH 45459 Phone: 937.815.6949 www.maksolve.com		BOREHOLE NO. SB-6	
PROJECT INFORMATION		DRILLING INFORMATION			
Project:	Electro Polish	Drilling Co.:	FORE Testing	Ground Elevation:	--
Address:	529 Hunter Avenue	Driller:	R. Bender & K. Pride	TOC Elevation:	N/A
City, State:	Dayton, Ohio	Rig Type:	Mule	Northing:	--
Job No.	068-17	Tooling:	HSA-Direct Push	Easting:	--
Logged By:	K. Ulery	Sampler Type:	3' sleeve		
Date Drilled:	11-Aug-17	Total Depth (feet):	17'		
DEPTH (ft)	SOIL DESCRIPTION	SAMPLE	RECOVERY	PID (ppm)	WELL DESCRIPTION
1	Concrete			0.0	
4	Medium brown SILTY CLAY, medium firm, slightly moist		20"	0.0	
5	SAND and GRAVEL, slightly moist, light to medium brown, large COBBLES up to 2"		22"	0.0	
6	SAA, very loose				
10		X	9"	0.1	
15					
17					
18	Boring terminated				
20					
NOTES:	drilled down with point past 12 to get to water due to cobbles				Page <u>1</u> of <u>1</u>
	SAA = Same As Above				

		261 Regency Ridge Dayton, OH 45459 Phone: 937.815.6949 www.maksolve.com		BOREHOLE NO. SB-7	
PROJECT INFORMATION		DRILLING INFORMATION			
Project:	Electro Polish	Drilling Co.:	FORE Testing	Ground Elevation:	--
Address:	529 Hunter Avenue	Driller:	R. Bender & K. Pride	TOC Elevation:	N/A
City, State:	Dayton, Ohio	Rig Type:	Mule	Northing:	--
Job No.	068-17	Tooling:	HSA-Direct Push	Easting:	--
Logged By:	K. Ulery	Sampler Type:	3' sleeve		
Date Drilled:	11-Aug-17	Total Depth (feet):	6'		
DEPTH (ft)	SOIL DESCRIPTION	SAMPLE	RECOVERY	PID (ppm)	WELL DESCRIPTION
1	Concrete	X			
2	Dark brown SILTY CLAY, medium firm, very dry	X	18"	0.0	
4	Black coloring, SAA			0.2	
5	trace GRAVEL		20"		
6				0.0	
10	SAND and GRAVEL, slightly moist, light to medium brown				
15					
18					
20					
NOTES:	SAA = Same As Above			Page <u>1</u> of <u>1</u>	

APPENDIX 4

TABLES

Table 1
 Soil Field Screening Results in parts per million
 Electro Polish Site
 529 Hunter Avenue
 Dayton, Ohio

Boring ID:	SB-1	SB-2	SB-3	SB-4	SB-5	SB-6	SB-7
0'-2'	9.8	0.0	0.0	0.0	0.0	0.0	0.0
2'-4'	5.3	6.6	0.0	0.0	0.5	0.0	0.2
4'-6'	--	0.4	0.0	0.0	0.1	0.0	0.0
6'-8'	11.1	0.4	0.0	0.7	0.0	0.1	NS
8'-10'	5.5	0.1	1.4	NS	NS	NS	NS
10'-12'	11.7	0.4	0.0	NS	NS	NS	NS
12'-14'	1.5	0.4	0.0	NS	NS	NS	NS
14'-16'	NS	NS	NS	NS	NS	NS	NS
16'-18'	NS	NS	NS	NS	NS	NS	NS

NS = not sampled

Bold = Sample submitted to laboratory

Table 2
Soil Contaminant Concentrations Compared to VAP Action Levels
Electro Polish Site
529 Hunter Avenue
Dayton, Ohio

ANALYTE	SAMPLE ID					UNITS	VAP C/I GDCSS	VAP Residential GDCSS
	SB3 8'-10'	SB4 6'-7'	SB5 2'-4'	SB6 6'-8'	SB7 0'-2'			
Volatile Organic Compounds (VOCs) - Method 8260								
1,1,1,2-Tetrachloroethane	<0.0052	<0.0052	<0.0059	<0.0056	<0.0054	mg/Kg-dry	240	46
1,1,1-Trichloroethane	<0.0052	<0.0052	<0.0059	<0.0056	<0.0054	mg/Kg-dry	640	640
1,1,2,2-Tetrachloroethane	<0.0052	<0.0052	<0.0059	<0.0056	<0.0054	mg/Kg-dry	75	14
1,1,2-Trichloroethane	<0.0052	<0.0052	<0.0059	<0.0056	<0.0054	mg/Kg-dry	140	26
1,1-Dichloroethane	<0.0052	<0.0052	<0.0059	<0.0056	<0.0054	mg/Kg-dry	420	83
1,1-Dichloroethene	<0.0052	<0.0052	<0.0059	<0.0056	<0.0054	mg/Kg-dry	1,200	360
1,1-Dichloropropene	<0.0052	<0.0052	<0.0059	<0.0056	<0.0054	mg/Kg-dry	N/A	N/A
1,2,3-Trichlorobenzene	<0.0052	<0.0052	<0.0059	<0.0056	<0.0054	mg/Kg-dry	N/A	N/A
1,2,3-Trichloropropane	<0.0052	<0.0052	<0.0059	<0.0056	<0.0054	mg/Kg-dry	4	0
1,2,4-Trichlorobenzene	<0.0052	<0.0052	<0.0059	<0.0056	<0.0054	mg/Kg-dry	400	150
1,2,4-Trimethylbenzene	<0.0052	<0.0052	<0.0059	<0.0056	<0.0054	mg/Kg-dry	220	160
1,2-Dibromo-3-chloropropane	<0.0052	<0.0052	<0.0059	<0.0056	<0.0054	mg/Kg-dry	2	0
1,2-Dibromoethane	<0.0052	<0.0052	<0.0059	<0.0056	<0.0054	mg/Kg-dry	4	1
1,2-Dichlorobenzene	<0.0052	<0.0052	<0.0059	<0.0056	<0.0054	mg/Kg-dry	380	380
1,2-Dichloroethane	<0.0052	<0.0052	<0.0059	<0.0056	<0.0054	mg/Kg-dry	56	11
1,2-Dichloropropane	<0.0052	<0.0052	<0.0059	<0.0056	<0.0054	mg/Kg-dry	120	23
1,3,5-Trimethylbenzene	<0.0052	<0.0052	<0.0059	<0.0056	<0.0054	mg/Kg-dry	180	180
1,3-Dichlorobenzene	<0.0052	<0.0052	<0.0059	<0.0056	<0.0054	mg/Kg-dry	N/A	N/A
1,3-Dichloropropane	<0.0052	<0.0052	<0.0059	<0.0056	<0.0054	mg/Kg-dry	1,500	1,500
1,4-Dichlorobenzene	<0.0052	<0.0052	<0.0059	<0.0056	<0.0054	mg/Kg-dry	310	61
2,2-Dichloropropane	<0.0052	<0.0052	<0.0059	<0.0056	<0.0054	mg/Kg-dry	N/A	N/A
2-Butanone	<0.052	<0.052	<0.059	<0.056	<0.054	mg/Kg-dry	28,000	28,000
2-Chlorotoluene	<0.0052	<0.0052	<0.0059	<0.0056	<0.0054	mg/Kg-dry	N/A	N/A
2-Hexanone	<0.0052	<0.0052	<0.0059	<0.0056	<0.0054	mg/Kg-dry	N/A	N/A
4-Chlorotoluene	<0.0052	<0.0052	<0.0059	<0.0056	<0.0054	mg/Kg-dry	N/A	N/A
4-Methyl-2-pentanone	<0.0052	<0.0052	<0.0059	<0.0056	<0.0054	mg/Kg-dry	3,400	3,400
Acetone	<0.052	<0.052	<0.059	<0.056	<0.054	mg/Kg-dry	110,000	110,000
Benzene	<0.0052	<0.0052	<0.0059	<0.0056	<0.0054	mg/Kg-dry	140	26
Bromobenzene	<0.0052	<0.0052	<0.0059	<0.0056	<0.0054	mg/Kg-dry	N/A	N/A
Bromochloromethane	<0.0052	<0.0052	<0.0059	<0.0056	<0.0054	mg/Kg-dry	N/A	N/A
Bromodichloromethane	<0.0052	<0.0052	<0.0059	<0.0056	<0.0054	mg/Kg-dry	35	7
Bromoform	<0.0052	<0.0052	<0.0059	<0.0056	<0.0054	mg/Kg-dry	6,200	1,200
Bromomethane	<0.0052	<0.0052	<0.0059	<0.0056	<0.0054	mg/Kg-dry	82	18
Carbon disulfide	<0.0052	<0.0052	<0.0059	<0.0056	<0.0054	mg/Kg-dry	740	740
Carbon tetrachloride	<0.0052	<0.0052	<0.0059	<0.0056	<0.0054	mg/Kg-dry	79	15
Chlorobenzene	<0.0052	<0.0052	<0.0059	<0.0056	<0.0054	mg/Kg-dry	760	700
Chloroethane	<0.0052	<0.0052	<0.0059	<0.0056	<0.0054	mg/Kg-dry	2,100	2,100
Chloroform	<0.0052	<0.0052	<0.0059	<0.0056	<0.0054	mg/Kg-dry	38	7
Chloromethane	<0.0052	<0.0052	<0.0059	<0.0056	<0.0054	mg/Kg-dry	1,300	300
cis-1,2-Dichloroethene	<0.0052	<0.0052	<0.0059	<0.0056	<0.0054	mg/Kg-dry	2,400	310
cis-1,3-Dichloropropene	<0.0052	<0.0052	<0.0059	<0.0056	<0.0054	mg/Kg-dry	N/A	N/A
Dibromochloromethane	<0.0052	<0.0052	<0.0059	<0.0056	<0.0054	mg/Kg-dry	84	17
Dibromomethane	<0.0052	<0.0052	<0.0059	<0.0056	<0.0054	mg/Kg-dry	2,800	1,600
Dichlorodifluoromethane	<0.0052	<0.0052	<0.0059	<0.0056	<0.0054	mg/Kg-dry	850	850
Ethylbenzene	<0.0052	<0.0052	<0.0059	<0.0056	<0.0054	mg/Kg-dry	480	130
Hexachlorobutadiene	<0.0052	<0.0052	<0.0059	<0.0056	<0.0054	mg/Kg-dry	630	120
Isopropylbenzene	<0.0052	<0.0052	<0.0059	<0.0056	<0.0054	mg/Kg-dry	270	270
m,p-Xylene	<0.0052	<0.0052	<0.0059	<0.0056	<0.0054	mg/Kg-dry	N/A	N/A
Methyl tert-butyl ether	<0.0052	<0.0052	<0.0059	<0.0056	<0.0054	mg/Kg-dry	5,700	1,100
Methylene chloride	<0.021	<0.021	<0.024	<0.022	<0.022	mg/Kg-dry	3,300	750
n-Butylbenzene	<0.0052	<0.0052	<0.0059	<0.0056	<0.0054	mg/Kg-dry	110	110
n-Propylbenzene	<0.0052	<0.0052	<0.0059	<0.0056	<0.0054	mg/Kg-dry	260	260
Naphthalene	<0.0052	<0.0052	<0.0059	<0.0056	<0.0054	mg/Kg-dry	450	90
o-Xylene	<0.0052	<0.0052	<0.0059	<0.0056	<0.0054	mg/Kg-dry	N/A	N/A
p-Isopropyltoluene	<0.0052	<0.0052	<0.0059	<0.0056	<0.0054	mg/Kg-dry	160	160
sec-Butylbenzene	<0.0052	<0.0052	<0.0059	<0.0056	<0.0054	mg/Kg-dry	140	140
Styrene	<0.0052	<0.0052	<0.0059	<0.0056	<0.0054	mg/Kg-dry	870	870
tert-Butylbenzene	<0.0052	<0.0052	<0.0059	<0.0056	<0.0054	mg/Kg-dry	180	180
Tetrachloroethene	<0.0052	<0.0052	<0.0059	<0.0056	<0.0054	mg/Kg-dry	170	170
Toluene	<0.0052	<0.0052	<0.0059	<0.0056	<0.0054	mg/Kg-dry	820	820
trans-1,2-Dichloroethene	<0.0052	<0.0052	<0.0059	<0.0056	<0.0054	mg/Kg-dry	1,700	370
trans-1,3-Dichloropropene	<0.0052	<0.0052	<0.0059	<0.0056	<0.0054	mg/Kg-dry	N/A	N/A
Trichloroethene	<0.0052	<0.052	0.013	<0.0056	<0.0054	mg/Kg-dry	51	11
Trichlorofluoromethane	<0.0052	<0.0052	<0.0059	<0.0056	<0.0054	mg/Kg-dry	1,200	1,200
Vinyl chloride	<0.0052	<0.0052	<0.0059	<0.0056	<0.0054	mg/Kg-dry	50	1
Xylenes, Total	<0.010	<0.010	<0.012	<0.011	<0.011	mg/Kg-dry	260	260

VAP - Ohio Environmental Protection Agency, Voluntary Action Program

GDCSS - Generic Direct Contact Soil Standard

C/I - Commercial/Industrial

NA - not analyzed

mg/kg - milligrams per kilogram

Bolded results indicate concentrations above method detection limits

Orange shading exceeds the VAP Residential GDCSS

Table 2 - cont.
Soil Contaminant Concentrations Compared to VAP Action Levels
Electro Polish Site
529 Hunter Avenue
Dayton, Ohio

ANALYTE	SAMPLE ID					UNITS	VAP C/I GDCSS	VAP Residential GDCSS
	SB3 8'-10'	SB4 6'-7'	SB5 2'-4'	SB6 6'-8'	SB7 0'-2'			
Poly-Aromatic Hydrocarbons (PAHs) - Method 8270								
1-Methylnaphthalene	<0.21	<0.21	<0.24	<0.22	0.27	mg/Kg-dry	1500	310
2-Methylnaphthalene	<0.21	<0.21	<0.24	<0.22	<0.22	mg/Kg-dry	6000	460
Acenaphthene	<0.21	<0.21	<0.24	<0.22	<0.22	mg/Kg-dry	90000	6900
Acenaphthylene	<0.21	<0.21	<0.24	<0.22	<0.22	mg/Kg-dry	90000	6900
Anthracene	<0.21	<0.21	<0.24	<0.22	0.44	mg/Kg-dry	450000	34000
Benzo(a)anthracene	<0.10	<0.10	0.15	<0.11	0.33	mg/Kg-dry	58	12
Benzo(a)pyrene	<0.21	<0.21	<0.24	<0.22	<0.22	mg/Kg-dry	5.8	1.2
Benzo(b)fluoranthene	<0.21	<0.21	<0.24	<0.22	<0.22	mg/Kg-dry	58	12
Benzo(g,h,i)perylene	<0.21	<0.21	<0.24	<0.22	<0.22	mg/Kg-dry	45000	3400
Benzo(k)fluoranthene	<0.21	<0.21	<0.24	<0.22	<0.22	mg/Kg-dry	580	120
Carbazole	<0.21	<0.21	<0.24	<0.22	<0.22	mg/Kg-dry	2500	490
Chrysene	<0.21	<0.21	<0.24	<0.22	0.38	mg/Kg-dry	5800	1200
Dibenzo(a,h)anthracene	<0.21	<0.21	<0.24	<0.22	<0.22	mg/Kg-dry	5.8	1.2
Dibenzofuran	<0.21	<0.21	<0.24	<0.22	<0.22	mg/Kg-dry	4100	160
Fluoranthene	<0.21	<0.21	0.27	<0.22	0.59	mg/Kg-dry	60000	4600
Fluorene	<0.21	<0.21	<0.24	<0.22	<0.22	mg/Kg-dry	60000	4600
Indeno(1,2,3-cd)pyrene	<0.10	<0.10	0.13	<0.11	<0.11	mg/Kg-dry	58	12
Naphthalene	<0.21	<0.21	<0.24	<0.22	<0.22	mg/Kg-dry	450	90
Phenanthrene	<0.21	<0.21	<0.24	<0.22	0.43	mg/Kg-dry	450000	34000
Pyrene	<0.21	<0.21	0.25	<0.22	0.51	mg/Kg-dry	45000	3400
Resource Conservation and Recovery Act (RCRA) Metals - Method 6010 & 7471								
Arsenic	9.0	--	--	<5.4	<5.3	mg/Kg-dry	77	12
Barium	71	--	--	12	15	mg/Kg-dry	680000	30000
Cadmium	1.4	--	--	<1.1	<1.1	mg/Kg-dry	2600	140
Chromium	13	--	--	9.5	16	mg/Kg-dry	N/A	N/A
Lead	120	--	--	14	19	mg/Kg-dry	800	400
Selenium	<3.0	--	--	<3.2	<3.2	mg/Kg-dry	20000	780
Silver	<1.0	--	--	<1.1	<1.1	mg/Kg-dry	20000	780
Mercury	<0.29	--	--	<0.29	<0.32	mg/Kg-dry	N/A	N/A

VAP - Ohio Environmental Protection Agency, Voluntary Action Program

GDCSS - Generic Direct Contact Soil Standard

C/I - Commercial/Industrial

NA - not analyzed

mg/kg - milligrams per kilogram

Bolded results indicate concentrations above method detection limits

Orange shading exceeds the VAP Residential GDCSS

Table 3
Groundwater Contaminant Concentrations Compared to the UPUS
Electro Polish Site
529 Hunter Avenue
Dayton, Ohio

Analyte	Groundwater Sample ID				Units	UPUS
	SBW1	SBW2	SBW3	SBW6		
Volatile Organic Compounds (VOCs) - Method 8260						
1,1,1,2-Tetrachloroethane	<5.0	<5.0	<5.0	<5.0	ug/L	5
1,1,1-Trichloroethane	<5.0	<5.0	<5.0	<5.0	ug/L	200
1,1,2,2-Tetrachloroethane	<5.0	<5.0	<5.0	<5.0	ug/L	0.66
1,1,2-Trichloroethane	<5.0	<5.0	<5.0	<5.0	ug/L	5
1,1-Dichloroethane	<5.0	<5.0	<5.0	<5.0	ug/L	24
1,1-Dichloroethene	<5.0	<5.0	<5.0	<5.0	ug/L	7
1,1-Dichloropropene	<0.0050	<0.0050	<0.0050	<0.0050	mg/L	N/A
1,2,3-Trichlorobenzene	<0.0050	<0.0050	<0.0050	<0.0050	mg/L	N/A
1,2,3-Trichloropropane	<5.0	<5.0	<5.0	<5.0	ug/L	0.02
1,2,4-Trichlorobenzene	<5.0	<5.0	<5.0	<5.0	ug/L	70
1,2,4-Trimethylbenzene	<5.0	<5.0	<5.0	<5.0	ug/L	15
1,2-Dibromo-3-chloropropane	<5.0	<5.0	<5.0	<5.0	ug/L	0.20
1,2-Dibromoethane	<5.0	<5.0	<5.0	<5.0	ug/L	0.05
1,2-Dichlorobenzene	<5.0	<5.0	<5.0	<5.0	ug/L	600
1,2-Dichloroethane	<5.0	<5.0	<5.0	<5.0	ug/L	5
1,2-Dichloropropane	<5.0	<5.0	<5.0	<5.0	ug/L	5
1,3,5-Trimethylbenzene	<5.0	<5.0	<5.0	<5.0	ug/L	87
1,3-Dichlorobenzene	<0.0050	<0.0050	<0.0050	<0.0050	mg/L	N/A
1,3-Dichloropropane	<5.0	<5.0	<5.0	<5.0	ug/L	290
1,4-Dichlorobenzene	<5.0	<5.0	<5.0	<5.0	ug/L	75
2,2-Dichloropropane	<0.0050	<0.0050	<0.0050	<0.0050	mg/L	N/A
2-Butanone	<50	<50	<50	<50	ug/L	4,900
2-Chlorotoluene	<0.0050	<0.0050	<0.0050	<0.0050	mg/L	N/A
2-Hexanone	<0.0050	<0.0050	<0.0050	<0.0050	mg/L	N/A
4-Chlorotoluene	<0.0050	<0.0050	<0.0050	<0.0050	mg/L	N/A
4-Methyl-2-pentanone	<5.0	<5.0	<5.0	<5.0	ug/L	1,000
Acetone	<50	<50	<50	<50	ug/L	12,000
Benzene	<5.0	<5.0	<5.0	<5.0	ug/L	5
Bromobenzene	<0.0050	<0.0050	<0.0050	<0.0050	mg/L	N/A
Bromochloromethane	<0.0050	<0.0050	<0.0050	<0.0050	mg/L	N/A
Bromodichloromethane	<5.0	<5.0	<5.0	<5.0	ug/L	80
Bromoform	<5.0	<5.0	<5.0	<5.0	ug/L	80
Bromomethane	<5.0	<5.0	<5.0	<5.0	ug/L	7
Carbon disulfide	<5.0	<5.0	<5.0	<5.0	ug/L	720
Carbon tetrachloride	<5.0	<5.0	<5.0	<5.0	ug/L	5
Chlorobenzene	<5.0	<5.0	<5.0	<5.0	ug/L	100
Chloroethane	<5.0	<5.0	<5.0	<5.0	ug/L	21,000
Chloroform	<5.0	<5.0	<5.0	<5.0	ug/L	80
Chloromethane	<5.0	<5.0	<5.0	<5.0	ug/L	190
cis-1,2-Dichloroethene	<5.0	<5.0	<5.0	<5.0	ug/L	70
cis-1,3-Dichloropropene	<0.0050	<0.0050	<0.0050	<0.0050	mg/L	N/A
Dibromochloromethane	<5.0	<5.0	<5.0	<5.0	ug/L	80
Dibromomethane	<5.0	<5.0	<5.0	<5.0	ug/L	150
Dichlorodifluoromethane	<5.0	<5.0	<5.0	<5.0	ug/L	2,800
Ethylbenzene	<5.0	<5.0	<5.0	<5.0	ug/L	700
Hexachlorobutadiene	<5.0	<5.0	<5.0	<5.0	ug/L	2,60
Isopropylbenzene	<5.0	<5.0	<5.0	<5.0	ug/L	390
m,p-Xylene	<0.0050	<0.0050	<0.0050	<0.0050	mg/L	10,000
Methyl tert-butyl ether	<5.0	<5.0	<5.0	<5.0	ug/L	120
Methylene chloride	<5.0	<5.0	<5.0	<5.0	ug/L	5
n-Butylbenzene	<5.0	<5.0	<5.0	<5.0	ug/L	780
n-Propylbenzene	<5.0	<5.0	<5.0	<5.0	ug/L	530
Naphthalene	<5.0	<5.0	<5.0	<5.0	ug/L	1.40
o-Xylene	<0.0050	<0.0050	<0.0050	<0.0050	mg/L	10,000
p-Isopropyltoluene	<5.0	<5.0	<5.0	<5.0	ug/L	170
sec-Butylbenzene	<5.0	<5.0	<5.0	<5.0	ug/L	1,600
Styrene	<5.0	<5.0	<5.0	<5.0	ug/L	100
tert-Butylbenzene	<5.0	<5.0	<5.0	<5.0	ug/L	510
Tetrachloroethene	<5.0	<5.0	<5.0	<5.0	ug/L	5
Toluene	<5.0	<5.0	<5.0	<5.0	ug/L	1,000
trans-1,2-Dichloroethene	<5.0	<5.0	<5.0	<5.0	ug/L	100
trans-1,3-Dichloropropene	<0.0050	<0.0050	<0.0050	<0.0050	mg/L	N/A
Trichloroethene	<5.0	<5.0	<5.0	53	ug/L	5
Trichlorofluoromethane	<5.0	<5.0	<5.0	<5.0	ug/L	1,100
Vinyl chloride	<2.0	<2.0	<2.0	<2.0	ug/L	2
Xylenes, Total	<10	<10	<10	<10	ug/L	10,000

UPUS = Voluntary Action Program, Unrestricted Potable Use Standard

NA = not analyzed

mg/l = milligrams per liter

ug/L = micrograms per liter

Bolded results indicate concentrations above method detection limits

Orange shading exceeds the UPUS

Table 3 - cont.
Groundwater Contaminant Concentrations Compared to the UPUS
Electro Polish Site
529 Hunter Avenue
Dayton, Ohio

Analyte	Groundwater Sample ID			Units	UPUS
	SBW3	SBW6	SBW6 (filtered)		
Poly-Aromatic Hydrocarbons (PAHs) - Method 8270					
1-Methylnaphthalene	<0.20	<0.20	<0.20	ug/L	10
2-Methylnaphthalene	<0.20	<0.20	<0.20	ug/L	27
Acenaphthene	<0.20	<0.20	<0.20	ug/L	400
Acenaphthylene	<0.20	<0.20	<0.20	ug/L	390
Anthracene	<0.20	<0.20	<0.20	ug/L	1,300
Benzo(a)anthracene	<0.20	<0.20	<0.20	ug/L	0.92
Benzo(a)pyrene	<0.15	<0.15	<0.15	ug/L	0.20
Benzo(b)fluoranthene	<0.15	<0.15	<0.15	ug/L	0.92
Benzo(g,h,i)perylene	<0.20	<0.20	<0.20	ug/L	470
Benzo(k)fluoranthene	<0.20	<0.20	<0.20	ug/L	9.20
Carbazole	<0.20	<0.20	<0.20	ug/L	17
Chrysene	<0.20	<0.20	<0.20	ug/L	92
Dibeno(a,h)anthracene	<0.15	<0.15	<0.15	ug/L	0.09
Dibenzofuran	<0.20	<0.20	<0.20	ug/L	5.80
Fluoranthene	<0.20	<0.20	<0.20	ug/L	630
Fluorene	<0.20	<0.20	<0.20	ug/L	220
Indeno(1,2,3-cd)pyrene	<0.15	<0.15	<0.15	ug/L	0.92
Naphthalene	<0.20	<0.20	<0.20	ug/L	1.40
Phenanthrene	<0.20	<0.20	<0.20	ug/L	3,400
Pyrene	<0.20	<0.20	<0.20	ug/L	87
Resource Conservation and Recovery Act (RCRA) Metals - Method 6010 & 7471					
Arsenic	84	470	<10	ug/L	10
Barium	890	4100	<100	ug/L	2,000
Cadmium	<5.0	<50	<5.0	ug/L	5
Chromium	87	200	<20	ug/L	100
Lead	82	290	<15	ug/L	15
Selenium	<30	<30	<30	ug/L	50
Silver	<10	<10	<10	ug/L	71
Mercury	<0.50	<0.50	<0.50	ug/L	2

UPUS - Voluntary Action Program, Unrestricted Potable Use Standard

NA - not analyzed

mg/L - milligrams per liter

ug/L - micrograms per liter

Bolded results indicate concentrations above method detection limits

Orange shading exceeds the UPUS

Table 4
Sub-Slab Vapor Chemical Concentrations (detections only) Compared to the VISL
Electro Polish Site
529 Hunter Avenue
Dayton, Ohio

ANALYTE	Sample 068-VS-1	Sample 068-VS-2	Sample 068-VS-3	Units	VISL
1,1,1-Trichloroethane	345	--	142	ug/m3	7.30E+05
1,2,4-Trimethylbenzene	38.3	38.3	384	ug/m3	1.00E+03
1,3,5-Trimethylbenzene	--	--	79.1	ug/m3	NS
2-Butanone	40.1	15.6	112	ug/m3	NS
4-Ethyltoluene	--	--	51.1	ug/m3	NS
Acetone	362	93.4	906	ug/m3	4.50E+06
Benzene	--	24.3	127	ug/m3	5.20E+02
Cumene	--	--	35.4	ug/m3	5.80E+04
Cyclohexane	--	56.5	138	ug/m3	8.80E+05
Ethylbenzene	22.6	41.7	391	ug/m3	1.60E+03
Heptane	35.7	111	469	ug/m3	NS
Hexane	46.5	163	563	ug/m3	1.00E+05
m,p-Xylene	29.5	82.5	367	ug/m3	1.50E+04
Methylene chloride	--	35.1	--	ug/m3	8.80E+04
Naphthalene	19.4	66.1	97.0	ug/m3	1.20E+02
o-Xylene	--	42.1	192	ug/m3	1.50E+04
Tetrachloroethene	219	330	607	ug/m3	5.80E+03
Toluene	40.7	85.9	615	ug/m3	7.30E+05
Trichloroethene	5210	2940	2450	ug/m3	2.90E+02

EPA - United States Environmental Protection Agency

VISL - Vapor Intrusion Screening Level

-Target Sub-Slab Soil Gas Concentration for Commercial Setting and at TCR = 10E-5 or THQ = 1

NS - no standard

ug/m3 - micrograms per cubic meter

Orange shading exceeds the VISL

APPENDIX 5

ANALYTICAL DATA AND CHAIN OF CUSTODY



22-Aug-2017

John Bowen
MAKSolve, LLC
261 Regency Ridge
Dayton, OH 45459

Tel: (513) 383-0233
Fax: (937) 660-6845

Re: Electro-Polish; 068-17; 529 Hunter Ave Dayton

Work Order: **1708514**

Dear John,

ALS Environmental received 13 samples on 15-Aug-2017 09:00 AM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested.

QC sample results for this data met laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Laboratory Group. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 80.

If you have any questions regarding this report, please feel free to contact me.

Sincerely,

R ob Nieman

Electronically approved by: Rob Nieman

Rob Nieman
Project Manager

ADDRESS 4388 Glendale Milford Rd Cincinnati, Ohio 45242- | PHONE (513) 733-5336 | FAX (513) 733-5347

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Environmental

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RIGHT SOLUTIONS RIGHT PARTNER

Client: MAKSolve, LLC
Project: Electro-Polish; 068-17; 529 Hunter Ave Dayton
Work Order: 1708514

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
1708514-01	SBW-1	Water		8/11/2017 10:30	8/15/2017 09:00	<input type="checkbox"/>
1708514-02	SBW-2	Water		8/11/2017 12:00	8/15/2017 09:00	<input type="checkbox"/>
1708514-03	SB3 8-10	Soil		8/11/2017 13:15	8/15/2017 09:00	<input type="checkbox"/>
1708514-04	SB4 6-7	Soil		8/11/2017 14:20	8/15/2017 09:00	<input type="checkbox"/>
1708514-05	SB5 2-4	Soil		8/11/2017 15:35	8/15/2017 09:00	<input type="checkbox"/>
1708514-06	SBW-3	Water		8/11/2017 15:50	8/15/2017 09:00	<input type="checkbox"/>
1708514-07	SBW-6	Water		8/11/2017 16:30	8/15/2017 09:00	<input type="checkbox"/>
1708514-08	SBW-6 Lab Filtered	Water		8/11/2017 16:30	8/15/2017 09:00	<input type="checkbox"/>
1708514-09	SB6 6-8	Soil		8/11/2017 16:40	8/15/2017 09:00	<input type="checkbox"/>
1708514-10	SB7 0-2	Soil		8/11/2017 17:15	8/15/2017 09:00	<input type="checkbox"/>
1708514-11	068-VS-1	Air		8/11/2017 09:30	8/15/2017 09:00	<input type="checkbox"/>
1708514-12	068-VS-2	Air		8/11/2017 10:30	8/15/2017 09:00	<input type="checkbox"/>
1708514-13	068-VS-3	Air		8/11/2017 11:30	8/15/2017 09:00	<input type="checkbox"/>

Client: MAKSolve, LLC**Project:** Electro-Polish; 068-17; 529 Hunter Ave Dayton**Work Order:** 1708514**Case Narrative**

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested.

Results relate only to the items tested and are not blank corrected unless indicated.

QC sample results for this data met laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

ALS Environmental**Date:** 22-Aug-17

Client: MAKSolve, LLC
Project: Electro-Polish; 068-17; 529 Hunter Ave Dayton
Sample ID: SBW-1
Collection Date: 8/11/2017 10:30 AM

Work Order: 1708514
Lab ID: 1708514-01
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS						
1,1,1,2-Tetrachloroethane	ND		0.0050	mg/L	1	8/18/2017 12:31 PM
1,1,1-Trichloroethane	ND		0.0050	mg/L	1	8/18/2017 12:31 PM
1,1,2,2-Tetrachloroethane	ND		0.0050	mg/L	1	8/18/2017 12:31 PM
1,1,2-Trichloroethane	ND		0.0050	mg/L	1	8/18/2017 12:31 PM
1,1-Dichloroethane	ND		0.0050	mg/L	1	8/18/2017 12:31 PM
1,1-Dichloroethene	ND		0.0050	mg/L	1	8/18/2017 12:31 PM
1,1-Dichloropropene	ND		0.0050	mg/L	1	8/18/2017 12:31 PM
1,2,3-Trichlorobenzene	ND		0.0050	mg/L	1	8/18/2017 12:31 PM
1,2,3-Trichloropropane	ND		0.0050	mg/L	1	8/18/2017 12:31 PM
1,2,4-Trichlorobenzene	ND		0.0050	mg/L	1	8/18/2017 12:31 PM
1,2,4-Trimethylbenzene	ND		0.0050	mg/L	1	8/18/2017 12:31 PM
1,2-Dibromo-3-chloropropane	ND		0.0050	mg/L	1	8/18/2017 12:31 PM
1,2-Dibromoethane	ND		0.0050	mg/L	1	8/18/2017 12:31 PM
1,2-Dichlorobenzene	ND		0.0050	mg/L	1	8/18/2017 12:31 PM
1,2-Dichloroethane	ND		0.0050	mg/L	1	8/18/2017 12:31 PM
1,2-Dichloropropane	ND		0.0050	mg/L	1	8/18/2017 12:31 PM
1,3,5-Trimethylbenzene	ND		0.0050	mg/L	1	8/18/2017 12:31 PM
1,3-Dichlorobenzene	ND		0.0050	mg/L	1	8/18/2017 12:31 PM
1,3-Dichloropropane	ND		0.0050	mg/L	1	8/18/2017 12:31 PM
1,4-Dichlorobenzene	ND		0.0050	mg/L	1	8/18/2017 12:31 PM
2,2-Dichloropropane	ND		0.0050	mg/L	1	8/18/2017 12:31 PM
2-Butanone	ND		0.050	mg/L	1	8/18/2017 12:31 PM
2-Chlorotoluene	ND		0.0050	mg/L	1	8/18/2017 12:31 PM
2-Hexanone	ND		0.0050	mg/L	1	8/18/2017 12:31 PM
4-Chlorotoluene	ND		0.0050	mg/L	1	8/18/2017 12:31 PM
4-Methyl-2-pentanone	ND		0.0050	mg/L	1	8/18/2017 12:31 PM
Acetone	ND		0.050	mg/L	1	8/18/2017 12:31 PM
Benzene	ND		0.0050	mg/L	1	8/18/2017 12:31 PM
Bromobenzene	ND		0.0050	mg/L	1	8/18/2017 12:31 PM
Bromochloromethane	ND		0.0050	mg/L	1	8/18/2017 12:31 PM
Bromodichloromethane	ND		0.0050	mg/L	1	8/18/2017 12:31 PM
Bromoform	ND		0.0050	mg/L	1	8/18/2017 12:31 PM
Bromomethane	ND		0.0050	mg/L	1	8/18/2017 12:31 PM
Carbon disulfide	ND		0.0050	mg/L	1	8/18/2017 12:31 PM
Carbon tetrachloride	ND		0.0050	mg/L	1	8/18/2017 12:31 PM
Chlorobenzene	ND		0.0050	mg/L	1	8/18/2017 12:31 PM
Chloroethane	ND		0.0050	mg/L	1	8/18/2017 12:31 PM
Chloroform	ND		0.0050	mg/L	1	8/18/2017 12:31 PM
Chloromethane	ND		0.0050	mg/L	1	8/18/2017 12:31 PM

Note:

ALS Environmental**Date:** 22-Aug-17

Client: MAKSolve, LLC
Project: Electro-Polish; 068-17; 529 Hunter Ave Dayton
Sample ID: SBW-1
Collection Date: 8/11/2017 10:30 AM

Work Order: 1708514
Lab ID: 1708514-01
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
cis-1,2-Dichloroethene	ND		0.0050	mg/L	1	8/18/2017 12:31 PM
cis-1,3-Dichloropropene	ND		0.0050	mg/L	1	8/18/2017 12:31 PM
Dibromochloromethane	ND		0.0050	mg/L	1	8/18/2017 12:31 PM
Dibromomethane	ND		0.0050	mg/L	1	8/18/2017 12:31 PM
Dichlorodifluoromethane	ND		0.0050	mg/L	1	8/18/2017 12:31 PM
Ethylbenzene	ND		0.0050	mg/L	1	8/18/2017 12:31 PM
Hexachlorobutadiene	ND		0.0050	mg/L	1	8/18/2017 12:31 PM
Isopropylbenzene	ND		0.0050	mg/L	1	8/18/2017 12:31 PM
m,p-Xylene	ND		0.0050	mg/L	1	8/18/2017 12:31 PM
Methyl tert-butyl ether	ND		0.0050	mg/L	1	8/18/2017 12:31 PM
Methylene chloride	ND		0.0050	mg/L	1	8/18/2017 12:31 PM
Naphthalene	ND		0.0050	mg/L	1	8/18/2017 12:31 PM
n-Butylbenzene	ND		0.0050	mg/L	1	8/18/2017 12:31 PM
n-Propylbenzene	ND		0.0050	mg/L	1	8/18/2017 12:31 PM
o-Xylene	ND		0.0050	mg/L	1	8/18/2017 12:31 PM
p-Isopropyltoluene	ND		0.0050	mg/L	1	8/18/2017 12:31 PM
sec-Butylbenzene	ND		0.0050	mg/L	1	8/18/2017 12:31 PM
Styrene	ND		0.0050	mg/L	1	8/18/2017 12:31 PM
tert-Butylbenzene	ND		0.0050	mg/L	1	8/18/2017 12:31 PM
Tetrachloroethene	ND		0.0050	mg/L	1	8/18/2017 12:31 PM
Toluene	ND		0.0050	mg/L	1	8/18/2017 12:31 PM
trans-1,2-Dichloroethene	ND		0.0050	mg/L	1	8/18/2017 12:31 PM
trans-1,3-Dichloropropene	ND		0.0050	mg/L	1	8/18/2017 12:31 PM
Trichloroethene	ND		0.0050	mg/L	1	8/18/2017 12:31 PM
Trichlorofluoromethane	ND		0.0050	mg/L	1	8/18/2017 12:31 PM
Vinyl chloride	ND		0.0020	mg/L	1	8/18/2017 12:31 PM
Xylenes, Total	ND		0.010	mg/L	1	8/18/2017 12:31 PM
Surr: 4-Bromofluorobenzene	93.8		61-131	%REC	1	8/18/2017 12:31 PM
Surr: Dibromofluoromethane	91.3		87-126	%REC	1	8/18/2017 12:31 PM
Surr: Toluene-d8	101		84-111	%REC	1	8/18/2017 12:31 PM

Note:

ALS Environmental**Date:** 22-Aug-17

Client: MAKSolve, LLC
Project: Electro-Polish; 068-17; 529 Hunter Ave Dayton
Sample ID: SBW-2
Collection Date: 8/11/2017 12:00 PM

Work Order: 1708514
Lab ID: 1708514-02
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS						
1,1,1,2-Tetrachloroethane	ND		0.0050	mg/L	1	8/18/2017 12:55 PM
1,1,1-Trichloroethane	ND		0.0050	mg/L	1	8/18/2017 12:55 PM
1,1,2,2-Tetrachloroethane	ND		0.0050	mg/L	1	8/18/2017 12:55 PM
1,1,2-Trichloroethane	ND		0.0050	mg/L	1	8/18/2017 12:55 PM
1,1-Dichloroethane	ND		0.0050	mg/L	1	8/18/2017 12:55 PM
1,1-Dichloroethene	ND		0.0050	mg/L	1	8/18/2017 12:55 PM
1,1-Dichloropropene	ND		0.0050	mg/L	1	8/18/2017 12:55 PM
1,2,3-Trichlorobenzene	ND		0.0050	mg/L	1	8/18/2017 12:55 PM
1,2,3-Trichloropropane	ND		0.0050	mg/L	1	8/18/2017 12:55 PM
1,2,4-Trichlorobenzene	ND		0.0050	mg/L	1	8/18/2017 12:55 PM
1,2,4-Trimethylbenzene	ND		0.0050	mg/L	1	8/18/2017 12:55 PM
1,2-Dibromo-3-chloropropane	ND		0.0050	mg/L	1	8/18/2017 12:55 PM
1,2-Dibromoethane	ND		0.0050	mg/L	1	8/18/2017 12:55 PM
1,2-Dichlorobenzene	ND		0.0050	mg/L	1	8/18/2017 12:55 PM
1,2-Dichloroethane	ND		0.0050	mg/L	1	8/18/2017 12:55 PM
1,2-Dichloropropane	ND		0.0050	mg/L	1	8/18/2017 12:55 PM
1,3,5-Trimethylbenzene	ND		0.0050	mg/L	1	8/18/2017 12:55 PM
1,3-Dichlorobenzene	ND		0.0050	mg/L	1	8/18/2017 12:55 PM
1,3-Dichloropropane	ND		0.0050	mg/L	1	8/18/2017 12:55 PM
1,4-Dichlorobenzene	ND		0.0050	mg/L	1	8/18/2017 12:55 PM
2,2-Dichloropropane	ND		0.0050	mg/L	1	8/18/2017 12:55 PM
2-Butanone	ND		0.050	mg/L	1	8/18/2017 12:55 PM
2-Chlorotoluene	ND		0.0050	mg/L	1	8/18/2017 12:55 PM
2-Hexanone	ND		0.0050	mg/L	1	8/18/2017 12:55 PM
4-Chlorotoluene	ND		0.0050	mg/L	1	8/18/2017 12:55 PM
4-Methyl-2-pentanone	ND		0.0050	mg/L	1	8/18/2017 12:55 PM
Acetone	ND		0.050	mg/L	1	8/18/2017 12:55 PM
Benzene	ND		0.0050	mg/L	1	8/18/2017 12:55 PM
Bromobenzene	ND		0.0050	mg/L	1	8/18/2017 12:55 PM
Bromochloromethane	ND		0.0050	mg/L	1	8/18/2017 12:55 PM
Bromodichloromethane	ND		0.0050	mg/L	1	8/18/2017 12:55 PM
Bromoform	ND		0.0050	mg/L	1	8/18/2017 12:55 PM
Bromomethane	ND		0.0050	mg/L	1	8/18/2017 12:55 PM
Carbon disulfide	ND		0.0050	mg/L	1	8/18/2017 12:55 PM
Carbon tetrachloride	ND		0.0050	mg/L	1	8/18/2017 12:55 PM
Chlorobenzene	ND		0.0050	mg/L	1	8/18/2017 12:55 PM
Chloroethane	ND		0.0050	mg/L	1	8/18/2017 12:55 PM
Chloroform	ND		0.0050	mg/L	1	8/18/2017 12:55 PM
Chloromethane	ND		0.0050	mg/L	1	8/18/2017 12:55 PM

Note:

ALS Environmental**Date:** 22-Aug-17

Client: MAKSolve, LLC
Project: Electro-Polish; 068-17; 529 Hunter Ave Dayton
Sample ID: SBW-2
Collection Date: 8/11/2017 12:00 PM

Work Order: 1708514
Lab ID: 1708514-02
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
cis-1,2-Dichloroethene	ND		0.0050	mg/L	1	8/18/2017 12:55 PM
cis-1,3-Dichloropropene	ND		0.0050	mg/L	1	8/18/2017 12:55 PM
Dibromochloromethane	ND		0.0050	mg/L	1	8/18/2017 12:55 PM
Dibromomethane	ND		0.0050	mg/L	1	8/18/2017 12:55 PM
Dichlorodifluoromethane	ND		0.0050	mg/L	1	8/18/2017 12:55 PM
Ethylbenzene	ND		0.0050	mg/L	1	8/18/2017 12:55 PM
Hexachlorobutadiene	ND		0.0050	mg/L	1	8/18/2017 12:55 PM
Isopropylbenzene	ND		0.0050	mg/L	1	8/18/2017 12:55 PM
m,p-Xylene	ND		0.0050	mg/L	1	8/18/2017 12:55 PM
Methyl tert-butyl ether	ND		0.0050	mg/L	1	8/18/2017 12:55 PM
Methylene chloride	ND		0.0050	mg/L	1	8/18/2017 12:55 PM
Naphthalene	ND		0.0050	mg/L	1	8/18/2017 12:55 PM
n-Butylbenzene	ND		0.0050	mg/L	1	8/18/2017 12:55 PM
n-Propylbenzene	ND		0.0050	mg/L	1	8/18/2017 12:55 PM
o-Xylene	ND		0.0050	mg/L	1	8/18/2017 12:55 PM
p-Isopropyltoluene	ND		0.0050	mg/L	1	8/18/2017 12:55 PM
sec-Butylbenzene	ND		0.0050	mg/L	1	8/18/2017 12:55 PM
Styrene	ND		0.0050	mg/L	1	8/18/2017 12:55 PM
tert-Butylbenzene	ND		0.0050	mg/L	1	8/18/2017 12:55 PM
Tetrachloroethene	ND		0.0050	mg/L	1	8/18/2017 12:55 PM
Toluene	ND		0.0050	mg/L	1	8/18/2017 12:55 PM
trans-1,2-Dichloroethene	ND		0.0050	mg/L	1	8/18/2017 12:55 PM
trans-1,3-Dichloropropene	ND		0.0050	mg/L	1	8/18/2017 12:55 PM
Trichloroethene	ND		0.0050	mg/L	1	8/18/2017 12:55 PM
Trichlorofluoromethane	ND		0.0050	mg/L	1	8/18/2017 12:55 PM
Vinyl chloride	ND		0.0020	mg/L	1	8/18/2017 12:55 PM
Xylenes, Total	ND		0.010	mg/L	1	8/18/2017 12:55 PM
Surr: 4-Bromofluorobenzene	94.2		61-131	%REC	1	8/18/2017 12:55 PM
Surr: Dibromofluoromethane	93.1		87-126	%REC	1	8/18/2017 12:55 PM
Surr: Toluene-d8	101		84-111	%REC	1	8/18/2017 12:55 PM

Note:

ALS Environmental

Date: 22-Aug-17

Client: MAKsolve, LLC
Project: Electro-Polish; 068-17; 529 Hunter Ave Dayton
Sample ID: SB3 8-10
Collection Date: 8/11/2017 01:15 PM

Work Order: 1708514
Lab ID: 1708514-03
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MOISTURE			SM2540B		Prep Date: 8/22/2017	Analyst: MWP
Moisture	3.4		% of sample		1	8/22/2017
MERCURY BY CVAA			SW7471A		Prep Date: 8/21/2017	Analyst: MHW
Mercury	ND		0.29	mg/Kg-dry	1	8/21/2017
METALS BY ICP			SW6010B		Prep Date: 8/17/2017	Analyst: CEG
Arsenic	9.0		5.0	mg/Kg-dry	1	8/17/2017 05:41 PM
Barium	71		10	mg/Kg-dry	1	8/17/2017 05:41 PM
Cadmium	1.4		1.0	mg/Kg-dry	1	8/17/2017 05:41 PM
Chromium	13		2.0	mg/Kg-dry	1	8/17/2017 05:41 PM
Lead	120		5.0	mg/Kg-dry	1	8/17/2017 05:41 PM
Selenium	ND		3.0	mg/Kg-dry	1	8/17/2017 05:41 PM
Silver	ND		1.0	mg/Kg-dry	1	8/17/2017 05:41 PM
PAH COMPOUNDS			SW8270C		Prep Date: 8/17/2017	Analyst: JCL
1-Methylnaphthalene	ND		0.21	mg/Kg-dry	1	8/18/2017 12:41 AM
2-Methylnaphthalene	ND		0.21	mg/Kg-dry	1	8/18/2017 12:41 AM
Acenaphthene	ND		0.21	mg/Kg-dry	1	8/18/2017 12:41 AM
Acenaphthylene	ND		0.21	mg/Kg-dry	1	8/18/2017 12:41 AM
Anthracene	ND		0.21	mg/Kg-dry	1	8/18/2017 12:41 AM
Benzo(a)anthracene	ND		0.10	mg/Kg-dry	1	8/18/2017 12:41 AM
Benzo(a)pyrene	ND		0.21	mg/Kg-dry	1	8/18/2017 12:41 AM
Benzo(b)fluoranthene	ND		0.21	mg/Kg-dry	1	8/18/2017 12:41 AM
Benzo(g,h,i)perylene	ND		0.21	mg/Kg-dry	1	8/18/2017 12:41 AM
Benzo(k)fluoranthene	ND		0.21	mg/Kg-dry	1	8/18/2017 12:41 AM
Carbazole	ND		0.21	mg/Kg-dry	1	8/18/2017 12:41 AM
Chrysene	ND		0.21	mg/Kg-dry	1	8/18/2017 12:41 AM
Dibenzo(a,h)anthracene	ND		0.21	mg/Kg-dry	1	8/18/2017 12:41 AM
Dibenzofuran	ND		0.21	mg/Kg-dry	1	8/18/2017 12:41 AM
Fluoranthene	ND		0.21	mg/Kg-dry	1	8/18/2017 12:41 AM
Fluorene	ND		0.21	mg/Kg-dry	1	8/18/2017 12:41 AM
Indeno(1,2,3-cd)pyrene	ND		0.10	mg/Kg-dry	1	8/18/2017 12:41 AM
Naphthalene	ND		0.21	mg/Kg-dry	1	8/18/2017 12:41 AM
Phenanthrene	ND		0.21	mg/Kg-dry	1	8/18/2017 12:41 AM
Pyrene	ND		0.21	mg/Kg-dry	1	8/18/2017 12:41 AM
Surr: 2-Fluorobiphenyl	57.0		30-116	%REC	1	8/18/2017 12:41 AM
VOLATILE ORGANIC COMPOUNDS			SW8260B		Analyst: LAK	
1,1,1,2-Tetrachloroethane	ND		0.0052	mg/Kg-dry	1	8/18/2017 10:37 AM
1,1,1-Trichloroethane	ND		0.0052	mg/Kg-dry	1	8/18/2017 10:37 AM
1,1,2,2-Tetrachloroethane	ND		0.0052	mg/Kg-dry	1	8/18/2017 10:37 AM

Note:

ALS Environmental**Date:** 22-Aug-17

Client: MAKSolve, LLC
Project: Electro-Polish; 068-17; 529 Hunter Ave Dayton
Sample ID: SB3 8-10
Collection Date: 8/11/2017 01:15 PM

Work Order: 1708514
Lab ID: 1708514-03
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,1,2-Trichloroethane	ND		0.0052	mg/Kg-dry	1	8/18/2017 10:37 AM
1,1-Dichloroethane	ND		0.0052	mg/Kg-dry	1	8/18/2017 10:37 AM
1,1-Dichloroethene	ND		0.0052	mg/Kg-dry	1	8/18/2017 10:37 AM
1,1-Dichloropropene	ND		0.0052	mg/Kg-dry	1	8/18/2017 10:37 AM
1,2,3-Trichlorobenzene	ND		0.0052	mg/Kg-dry	1	8/18/2017 10:37 AM
1,2,3-Trichloropropane	ND		0.0052	mg/Kg-dry	1	8/18/2017 10:37 AM
1,2,4-Trichlorobenzene	ND		0.0052	mg/Kg-dry	1	8/18/2017 10:37 AM
1,2,4-Trimethylbenzene	ND		0.0052	mg/Kg-dry	1	8/18/2017 10:37 AM
1,2-Dibromo-3-chloropropane	ND		0.0052	mg/Kg-dry	1	8/18/2017 10:37 AM
1,2-Dibromoethane	ND		0.0052	mg/Kg-dry	1	8/18/2017 10:37 AM
1,2-Dichlorobenzene	ND		0.0052	mg/Kg-dry	1	8/18/2017 10:37 AM
1,2-Dichloroethane	ND		0.0052	mg/Kg-dry	1	8/18/2017 10:37 AM
1,2-Dichloropropane	ND		0.0052	mg/Kg-dry	1	8/18/2017 10:37 AM
1,3,5-Trimethylbenzene	ND		0.0052	mg/Kg-dry	1	8/18/2017 10:37 AM
1,3-Dichlorobenzene	ND		0.0052	mg/Kg-dry	1	8/18/2017 10:37 AM
1,3-Dichloropropane	ND		0.0052	mg/Kg-dry	1	8/18/2017 10:37 AM
1,4-Dichlorobenzene	ND		0.0052	mg/Kg-dry	1	8/18/2017 10:37 AM
2,2-Dichloropropane	ND		0.0052	mg/Kg-dry	1	8/18/2017 10:37 AM
2-Butanone	ND		0.052	mg/Kg-dry	1	8/18/2017 10:37 AM
2-Chlorotoluene	ND		0.0052	mg/Kg-dry	1	8/18/2017 10:37 AM
2-Hexanone	ND		0.0052	mg/Kg-dry	1	8/18/2017 10:37 AM
4-Chlorotoluene	ND		0.0052	mg/Kg-dry	1	8/18/2017 10:37 AM
4-Methyl-2-pentanone	ND		0.0052	mg/Kg-dry	1	8/18/2017 10:37 AM
Acetone	ND		0.052	mg/Kg-dry	1	8/18/2017 10:37 AM
Benzene	ND		0.0052	mg/Kg-dry	1	8/18/2017 10:37 AM
Bromobenzene	ND		0.0052	mg/Kg-dry	1	8/18/2017 10:37 AM
Bromochloromethane	ND		0.0052	mg/Kg-dry	1	8/18/2017 10:37 AM
Bromodichloromethane	ND		0.0052	mg/Kg-dry	1	8/18/2017 10:37 AM
Bromoform	ND		0.0052	mg/Kg-dry	1	8/18/2017 10:37 AM
Bromomethane	ND		0.0052	mg/Kg-dry	1	8/18/2017 10:37 AM
Carbon disulfide	ND		0.0052	mg/Kg-dry	1	8/18/2017 10:37 AM
Carbon tetrachloride	ND		0.0052	mg/Kg-dry	1	8/18/2017 10:37 AM
Chlorobenzene	ND		0.0052	mg/Kg-dry	1	8/18/2017 10:37 AM
Chloroethane	ND		0.0052	mg/Kg-dry	1	8/18/2017 10:37 AM
Chloroform	ND		0.0052	mg/Kg-dry	1	8/18/2017 10:37 AM
Chloromethane	ND		0.0052	mg/Kg-dry	1	8/18/2017 10:37 AM
cis-1,2-Dichloroethene	ND		0.0052	mg/Kg-dry	1	8/18/2017 10:37 AM
cis-1,3-Dichloropropene	ND		0.0052	mg/Kg-dry	1	8/18/2017 10:37 AM
Dibromochloromethane	ND		0.0052	mg/Kg-dry	1	8/18/2017 10:37 AM
Dibromomethane	ND		0.0052	mg/Kg-dry	1	8/18/2017 10:37 AM

Note:

ALS Environmental**Date:** 22-Aug-17

Client: MAKSolve, LLC
Project: Electro-Polish; 068-17; 529 Hunter Ave Dayton **Work Order:** 1708514
Sample ID: SB3 8-10 **Lab ID:** 1708514-03
Collection Date: 8/11/2017 01:15 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Dichlorodifluoromethane	ND		0.0052	mg/Kg-dry	1	8/18/2017 10:37 AM
Ethylbenzene	ND		0.0052	mg/Kg-dry	1	8/18/2017 10:37 AM
Hexachlorobutadiene	ND		0.0052	mg/Kg-dry	1	8/18/2017 10:37 AM
Isopropylbenzene	ND		0.0052	mg/Kg-dry	1	8/18/2017 10:37 AM
m,p-Xylene	ND		0.0052	mg/Kg-dry	1	8/18/2017 10:37 AM
Methyl tert-butyl ether	ND		0.0052	mg/Kg-dry	1	8/18/2017 10:37 AM
Methylene chloride	ND		0.021	mg/Kg-dry	1	8/18/2017 10:37 AM
Naphthalene	ND		0.0052	mg/Kg-dry	1	8/18/2017 10:37 AM
n-Butylbenzene	ND		0.0052	mg/Kg-dry	1	8/18/2017 10:37 AM
n-Propylbenzene	ND		0.0052	mg/Kg-dry	1	8/18/2017 10:37 AM
o-Xylene	ND		0.0052	mg/Kg-dry	1	8/18/2017 10:37 AM
p-Isopropyltoluene	ND		0.0052	mg/Kg-dry	1	8/18/2017 10:37 AM
sec-Butylbenzene	ND		0.0052	mg/Kg-dry	1	8/18/2017 10:37 AM
Styrene	ND		0.0052	mg/Kg-dry	1	8/18/2017 10:37 AM
tert-Butylbenzene	ND		0.0052	mg/Kg-dry	1	8/18/2017 10:37 AM
Tetrachloroethene	ND		0.0052	mg/Kg-dry	1	8/18/2017 10:37 AM
Toluene	ND		0.0052	mg/Kg-dry	1	8/18/2017 10:37 AM
trans-1,2-Dichloroethene	ND		0.0052	mg/Kg-dry	1	8/18/2017 10:37 AM
trans-1,3-Dichloropropene	ND		0.0052	mg/Kg-dry	1	8/18/2017 10:37 AM
Trichloroethene	ND		0.0052	mg/Kg-dry	1	8/18/2017 10:37 AM
Trichlorofluoromethane	ND		0.0052	mg/Kg-dry	1	8/18/2017 10:37 AM
Vinyl chloride	ND		0.0052	mg/Kg-dry	1	8/18/2017 10:37 AM
Xylenes, Total	ND		0.010	mg/Kg-dry	1	8/18/2017 10:37 AM
<i>Surr: 4-Bromofluorobenzene</i>	103		62.7-159	%REC	1	8/18/2017 10:37 AM
<i>Surr: Dibromofluoromethane</i>	132		67.3-136	%REC	1	8/18/2017 10:37 AM
<i>Surr: Toluene-d8</i>	98.7		83-124	%REC	1	8/18/2017 10:37 AM

Note:

ALS Environmental

Date: 22-Aug-17

Client: MAKsolve, LLC
Project: Electro-Polish; 068-17; 529 Hunter Ave Dayton
Sample ID: SB4 6-7
Collection Date: 8/11/2017 02:20 PM

Work Order: 1708514
Lab ID: 1708514-04
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MOISTURE			SM2540B		Prep Date: 8/22/2017	Analyst: MWP
Moisture	3.5		% of sample		1	8/22/2017
PAH COMPOUNDS			SW8270C		Prep Date: 8/17/2017	Analyst: JCL
1-Methylnaphthalene	ND		0.21	mg/Kg-dry	1	8/18/2017 01:05 AM
2-Methylnaphthalene	ND		0.21	mg/Kg-dry	1	8/18/2017 01:05 AM
Acenaphthene	ND		0.21	mg/Kg-dry	1	8/18/2017 01:05 AM
Acenaphthylene	ND		0.21	mg/Kg-dry	1	8/18/2017 01:05 AM
Anthracene	ND		0.21	mg/Kg-dry	1	8/18/2017 01:05 AM
Benzo(a)anthracene	ND		0.10	mg/Kg-dry	1	8/18/2017 01:05 AM
Benzo(a)pyrene	ND		0.21	mg/Kg-dry	1	8/18/2017 01:05 AM
Benzo(b)fluoranthene	ND		0.21	mg/Kg-dry	1	8/18/2017 01:05 AM
Benzo(g,h,i)perylene	ND		0.21	mg/Kg-dry	1	8/18/2017 01:05 AM
Benzo(k)fluoranthene	ND		0.21	mg/Kg-dry	1	8/18/2017 01:05 AM
Carbazole	ND		0.21	mg/Kg-dry	1	8/18/2017 01:05 AM
Chrysene	ND		0.21	mg/Kg-dry	1	8/18/2017 01:05 AM
Dibenzo(a,h)anthracene	ND		0.21	mg/Kg-dry	1	8/18/2017 01:05 AM
Dibenzofuran	ND		0.21	mg/Kg-dry	1	8/18/2017 01:05 AM
Fluoranthene	ND		0.21	mg/Kg-dry	1	8/18/2017 01:05 AM
Fluorene	ND		0.21	mg/Kg-dry	1	8/18/2017 01:05 AM
Indeno(1,2,3-cd)pyrene	ND		0.10	mg/Kg-dry	1	8/18/2017 01:05 AM
Naphthalene	ND		0.21	mg/Kg-dry	1	8/18/2017 01:05 AM
Phenanthrene	ND		0.21	mg/Kg-dry	1	8/18/2017 01:05 AM
Pyrene	ND		0.21	mg/Kg-dry	1	8/18/2017 01:05 AM
Surr: 2-Fluorobiphenyl	73.2		30-116	%REC	1	8/18/2017 01:05 AM
VOLATILE ORGANIC COMPOUNDS			SW8260B		Analyst: LAK	
1,1,1,2-Tetrachloroethane	ND		0.0052	mg/Kg-dry	1	8/21/2017 12:25 PM
1,1,1-Trichloroethane	ND		0.0052	mg/Kg-dry	1	8/21/2017 12:25 PM
1,1,2,2-Tetrachloroethane	ND		0.0052	mg/Kg-dry	1	8/21/2017 12:25 PM
1,1,2-Trichloroethane	ND		0.0052	mg/Kg-dry	1	8/21/2017 12:25 PM
1,1-Dichloroethane	ND		0.0052	mg/Kg-dry	1	8/21/2017 12:25 PM
1,1-Dichloroethene	ND		0.0052	mg/Kg-dry	1	8/21/2017 12:25 PM
1,1-Dichloropropene	ND		0.0052	mg/Kg-dry	1	8/21/2017 12:25 PM
1,2,3-Trichlorobenzene	ND		0.0052	mg/Kg-dry	1	8/21/2017 12:25 PM
1,2,3-Trichloropropane	ND		0.0052	mg/Kg-dry	1	8/21/2017 12:25 PM
1,2,4-Trichlorobenzene	ND		0.0052	mg/Kg-dry	1	8/21/2017 12:25 PM
1,2,4-Trimethylbenzene	ND		0.0052	mg/Kg-dry	1	8/21/2017 12:25 PM
1,2-Dibromo-3-chloropropane	ND		0.0052	mg/Kg-dry	1	8/21/2017 12:25 PM
1,2-Dibromoethane	ND		0.0052	mg/Kg-dry	1	8/21/2017 12:25 PM
1,2-Dichlorobenzene	ND		0.0052	mg/Kg-dry	1	8/21/2017 12:25 PM

Note:

ALS Environmental

Date: 22-Aug-17

Client: MAKSolve, LLC
Project: Electro-Polish; 068-17; 529 Hunter Ave Dayton
Sample ID: SB4 6-7
Collection Date: 8/11/2017 02:20 PM

Work Order: 1708514
Lab ID: 1708514-04
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,2-Dichloroethane	ND		0.0052	mg/Kg-dry	1	8/21/2017 12:25 PM
1,2-Dichloropropane	ND		0.0052	mg/Kg-dry	1	8/21/2017 12:25 PM
1,3,5-Trimethylbenzene	ND		0.0052	mg/Kg-dry	1	8/21/2017 12:25 PM
1,3-Dichlorobenzene	ND		0.0052	mg/Kg-dry	1	8/21/2017 12:25 PM
1,3-Dichloropropane	ND		0.0052	mg/Kg-dry	1	8/21/2017 12:25 PM
1,4-Dichlorobenzene	ND		0.0052	mg/Kg-dry	1	8/21/2017 12:25 PM
2,2-Dichloropropane	ND		0.0052	mg/Kg-dry	1	8/21/2017 12:25 PM
2-Butanone	ND		0.052	mg/Kg-dry	1	8/21/2017 12:25 PM
2-Chlorotoluene	ND		0.0052	mg/Kg-dry	1	8/21/2017 12:25 PM
2-Hexanone	ND		0.0052	mg/Kg-dry	1	8/21/2017 12:25 PM
4-Chlorotoluene	ND		0.0052	mg/Kg-dry	1	8/21/2017 12:25 PM
4-Methyl-2-pentanone	ND		0.0052	mg/Kg-dry	1	8/21/2017 12:25 PM
Acetone	ND		0.052	mg/Kg-dry	1	8/21/2017 12:25 PM
Benzene	ND		0.0052	mg/Kg-dry	1	8/21/2017 12:25 PM
Bromobenzene	ND		0.0052	mg/Kg-dry	1	8/21/2017 12:25 PM
Bromochloromethane	ND		0.0052	mg/Kg-dry	1	8/21/2017 12:25 PM
Bromodichloromethane	ND		0.0052	mg/Kg-dry	1	8/21/2017 12:25 PM
Bromoform	ND		0.0052	mg/Kg-dry	1	8/21/2017 12:25 PM
Bromomethane	ND		0.0052	mg/Kg-dry	1	8/21/2017 12:25 PM
Carbon disulfide	ND		0.0052	mg/Kg-dry	1	8/21/2017 12:25 PM
Carbon tetrachloride	ND		0.0052	mg/Kg-dry	1	8/21/2017 12:25 PM
Chlorobenzene	ND		0.0052	mg/Kg-dry	1	8/21/2017 12:25 PM
Chloroethane	ND		0.0052	mg/Kg-dry	1	8/21/2017 12:25 PM
Chloroform	ND		0.0052	mg/Kg-dry	1	8/21/2017 12:25 PM
Chloromethane	ND		0.0052	mg/Kg-dry	1	8/21/2017 12:25 PM
cis-1,2-Dichloroethene	ND		0.0052	mg/Kg-dry	1	8/21/2017 12:25 PM
cis-1,3-Dichloropropene	ND		0.0052	mg/Kg-dry	1	8/21/2017 12:25 PM
Dibromochloromethane	ND		0.0052	mg/Kg-dry	1	8/21/2017 12:25 PM
Dibromomethane	ND		0.0052	mg/Kg-dry	1	8/21/2017 12:25 PM
Dichlorodifluoromethane	ND		0.0052	mg/Kg-dry	1	8/21/2017 12:25 PM
Ethylbenzene	ND		0.0052	mg/Kg-dry	1	8/21/2017 12:25 PM
Hexachlorobutadiene	ND		0.0052	mg/Kg-dry	1	8/21/2017 12:25 PM
Isopropylbenzene	ND		0.0052	mg/Kg-dry	1	8/21/2017 12:25 PM
m,p-Xylene	ND		0.0052	mg/Kg-dry	1	8/21/2017 12:25 PM
Methyl tert-butyl ether	ND		0.0052	mg/Kg-dry	1	8/21/2017 12:25 PM
Methylene chloride	ND		0.021	mg/Kg-dry	1	8/21/2017 12:25 PM
Naphthalene	ND		0.0052	mg/Kg-dry	1	8/21/2017 12:25 PM
n-Butylbenzene	ND		0.0052	mg/Kg-dry	1	8/21/2017 12:25 PM
n-Propylbenzene	ND		0.0052	mg/Kg-dry	1	8/21/2017 12:25 PM
o-Xylene	ND		0.0052	mg/Kg-dry	1	8/21/2017 12:25 PM

Note:

ALS Environmental**Date:** 22-Aug-17

Client: MAKsolve, LLC
Project: Electro-Polish; 068-17; 529 Hunter Ave Dayton **Work Order:** 1708514
Sample ID: SB4 6-7 **Lab ID:** 1708514-04
Collection Date: 8/11/2017 02:20 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
p-Isopropyltoluene	ND		0.0052	mg/Kg-dry	1	8/21/2017 12:25 PM
sec-Butylbenzene	ND		0.0052	mg/Kg-dry	1	8/21/2017 12:25 PM
Styrene	ND		0.0052	mg/Kg-dry	1	8/21/2017 12:25 PM
tert-Butylbenzene	ND		0.0052	mg/Kg-dry	1	8/21/2017 12:25 PM
Tetrachloroethene	ND		0.0052	mg/Kg-dry	1	8/21/2017 12:25 PM
Toluene	ND		0.0052	mg/Kg-dry	1	8/21/2017 12:25 PM
trans-1,2-Dichloroethene	ND		0.0052	mg/Kg-dry	1	8/21/2017 12:25 PM
trans-1,3-Dichloropropene	ND		0.0052	mg/Kg-dry	1	8/21/2017 12:25 PM
Trichloroethene	ND		0.0052	mg/Kg-dry	1	8/21/2017 12:25 PM
Trichlorofluoromethane	ND		0.0052	mg/Kg-dry	1	8/21/2017 12:25 PM
Vinyl chloride	ND		0.0052	mg/Kg-dry	1	8/21/2017 12:25 PM
Xylenes, Total	ND		0.010	mg/Kg-dry	1	8/21/2017 12:25 PM
<i>Surr: 4-Bromofluorobenzene</i>	97.8		62.7-159	%REC	1	8/21/2017 12:25 PM
<i>Surr: Dibromofluoromethane</i>	105		67.3-136	%REC	1	8/21/2017 12:25 PM
<i>Surr: Toluene-d8</i>	98.5		83-124	%REC	1	8/21/2017 12:25 PM

Note:

ALS Environmental

Date: 22-Aug-17

Client: MAKsolve, LLC
Project: Electro-Polish; 068-17; 529 Hunter Ave Dayton
Sample ID: SB5 2-4
Collection Date: 8/11/2017 03:35 PM

Work Order: 1708514
Lab ID: 1708514-05
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MOISTURE			SM2540B		Prep Date: 8/22/2017	Analyst: MWP
Moisture	15		% of sample		1	8/22/2017
PAH COMPOUNDS			SW8270C		Prep Date: 8/17/2017	Analyst: JCL
1-Methylnaphthalene	ND		0.24	mg/Kg-dry	1	8/18/2017 01:29 AM
2-Methylnaphthalene	ND		0.24	mg/Kg-dry	1	8/18/2017 01:29 AM
Acenaphthene	ND		0.24	mg/Kg-dry	1	8/18/2017 01:29 AM
Acenaphthylene	ND		0.24	mg/Kg-dry	1	8/18/2017 01:29 AM
Anthracene	ND		0.24	mg/Kg-dry	1	8/18/2017 01:29 AM
Benzo(a)anthracene	0.15		0.12	mg/Kg-dry	1	8/18/2017 01:29 AM
Benzo(a)pyrene	ND		0.24	mg/Kg-dry	1	8/18/2017 01:29 AM
Benzo(b)fluoranthene	ND		0.24	mg/Kg-dry	1	8/18/2017 01:29 AM
Benzo(g,h,i)perylene	ND		0.24	mg/Kg-dry	1	8/18/2017 01:29 AM
Benzo(k)fluoranthene	ND		0.24	mg/Kg-dry	1	8/18/2017 01:29 AM
Carbazole	ND		0.24	mg/Kg-dry	1	8/18/2017 01:29 AM
Chrysene	ND		0.24	mg/Kg-dry	1	8/18/2017 01:29 AM
Dibenzo(a,h)anthracene	ND		0.24	mg/Kg-dry	1	8/18/2017 01:29 AM
Dibenzofuran	ND		0.24	mg/Kg-dry	1	8/18/2017 01:29 AM
Fluoranthene	0.27		0.24	mg/Kg-dry	1	8/18/2017 01:29 AM
Fluorene	ND		0.24	mg/Kg-dry	1	8/18/2017 01:29 AM
Indeno(1,2,3-cd)pyrene	0.13		0.12	mg/Kg-dry	1	8/18/2017 01:29 AM
Naphthalene	ND		0.24	mg/Kg-dry	1	8/18/2017 01:29 AM
Phenanthrene	ND		0.24	mg/Kg-dry	1	8/18/2017 01:29 AM
Pyrene	0.25		0.24	mg/Kg-dry	1	8/18/2017 01:29 AM
Surr: 2-Fluorobiphenyl	55.2		30-116	%REC	1	8/18/2017 01:29 AM
VOLATILE ORGANIC COMPOUNDS			SW8260B		Analyst: LAK	
1,1,1,2-Tetrachloroethane	ND		0.0059	mg/Kg-dry	1	8/21/2017 12:48 PM
1,1,1-Trichloroethane	ND		0.0059	mg/Kg-dry	1	8/21/2017 12:48 PM
1,1,2,2-Tetrachloroethane	ND		0.0059	mg/Kg-dry	1	8/21/2017 12:48 PM
1,1,2-Trichloroethane	ND		0.0059	mg/Kg-dry	1	8/21/2017 12:48 PM
1,1-Dichloroethane	ND		0.0059	mg/Kg-dry	1	8/21/2017 12:48 PM
1,1-Dichloroethene	ND		0.0059	mg/Kg-dry	1	8/21/2017 12:48 PM
1,1-Dichloropropene	ND		0.0059	mg/Kg-dry	1	8/21/2017 12:48 PM
1,2,3-Trichlorobenzene	ND		0.0059	mg/Kg-dry	1	8/21/2017 12:48 PM
1,2,3-Trichloropropane	ND		0.0059	mg/Kg-dry	1	8/21/2017 12:48 PM
1,2,4-Trichlorobenzene	ND		0.0059	mg/Kg-dry	1	8/21/2017 12:48 PM
1,2,4-Trimethylbenzene	ND		0.0059	mg/Kg-dry	1	8/21/2017 12:48 PM
1,2-Dibromo-3-chloropropane	ND		0.0059	mg/Kg-dry	1	8/21/2017 12:48 PM
1,2-Dibromoethane	ND		0.0059	mg/Kg-dry	1	8/21/2017 12:48 PM
1,2-Dichlorobenzene	ND		0.0059	mg/Kg-dry	1	8/21/2017 12:48 PM

Note:

ALS Environmental

Date: 22-Aug-17

Client: MAKSolve, LLC
Project: Electro-Polish; 068-17; 529 Hunter Ave Dayton
Sample ID: SB5 2-4
Collection Date: 8/11/2017 03:35 PM

Work Order: 1708514
Lab ID: 1708514-05
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,2-Dichloroethane	ND		0.0059	mg/Kg-dry	1	8/21/2017 12:48 PM
1,2-Dichloropropane	ND		0.0059	mg/Kg-dry	1	8/21/2017 12:48 PM
1,3,5-Trimethylbenzene	ND		0.0059	mg/Kg-dry	1	8/21/2017 12:48 PM
1,3-Dichlorobenzene	ND		0.0059	mg/Kg-dry	1	8/21/2017 12:48 PM
1,3-Dichloropropane	ND		0.0059	mg/Kg-dry	1	8/21/2017 12:48 PM
1,4-Dichlorobenzene	ND		0.0059	mg/Kg-dry	1	8/21/2017 12:48 PM
2,2-Dichloropropane	ND		0.0059	mg/Kg-dry	1	8/21/2017 12:48 PM
2-Butanone	ND		0.059	mg/Kg-dry	1	8/21/2017 12:48 PM
2-Chlorotoluene	ND		0.0059	mg/Kg-dry	1	8/21/2017 12:48 PM
2-Hexanone	ND		0.0059	mg/Kg-dry	1	8/21/2017 12:48 PM
4-Chlorotoluene	ND		0.0059	mg/Kg-dry	1	8/21/2017 12:48 PM
4-Methyl-2-pentanone	ND		0.0059	mg/Kg-dry	1	8/21/2017 12:48 PM
Acetone	ND		0.059	mg/Kg-dry	1	8/21/2017 12:48 PM
Benzene	ND		0.0059	mg/Kg-dry	1	8/21/2017 12:48 PM
Bromobenzene	ND		0.0059	mg/Kg-dry	1	8/21/2017 12:48 PM
Bromochloromethane	ND		0.0059	mg/Kg-dry	1	8/21/2017 12:48 PM
Bromodichloromethane	ND		0.0059	mg/Kg-dry	1	8/21/2017 12:48 PM
Bromoform	ND		0.0059	mg/Kg-dry	1	8/21/2017 12:48 PM
Bromomethane	ND		0.0059	mg/Kg-dry	1	8/21/2017 12:48 PM
Carbon disulfide	ND		0.0059	mg/Kg-dry	1	8/21/2017 12:48 PM
Carbon tetrachloride	ND		0.0059	mg/Kg-dry	1	8/21/2017 12:48 PM
Chlorobenzene	ND		0.0059	mg/Kg-dry	1	8/21/2017 12:48 PM
Chloroethane	ND		0.0059	mg/Kg-dry	1	8/21/2017 12:48 PM
Chloroform	ND		0.0059	mg/Kg-dry	1	8/21/2017 12:48 PM
Chloromethane	ND		0.0059	mg/Kg-dry	1	8/21/2017 12:48 PM
cis-1,2-Dichloroethene	ND		0.0059	mg/Kg-dry	1	8/21/2017 12:48 PM
cis-1,3-Dichloropropene	ND		0.0059	mg/Kg-dry	1	8/21/2017 12:48 PM
Dibromochloromethane	ND		0.0059	mg/Kg-dry	1	8/21/2017 12:48 PM
Dibromomethane	ND		0.0059	mg/Kg-dry	1	8/21/2017 12:48 PM
Dichlorodifluoromethane	ND		0.0059	mg/Kg-dry	1	8/21/2017 12:48 PM
Ethylbenzene	ND		0.0059	mg/Kg-dry	1	8/21/2017 12:48 PM
Hexachlorobutadiene	ND		0.0059	mg/Kg-dry	1	8/21/2017 12:48 PM
Isopropylbenzene	ND		0.0059	mg/Kg-dry	1	8/21/2017 12:48 PM
m,p-Xylene	ND		0.0059	mg/Kg-dry	1	8/21/2017 12:48 PM
Methyl tert-butyl ether	ND		0.0059	mg/Kg-dry	1	8/21/2017 12:48 PM
Methylene chloride	ND		0.024	mg/Kg-dry	1	8/21/2017 12:48 PM
Naphthalene	ND		0.0059	mg/Kg-dry	1	8/21/2017 12:48 PM
n-Butylbenzene	ND		0.0059	mg/Kg-dry	1	8/21/2017 12:48 PM
n-Propylbenzene	ND		0.0059	mg/Kg-dry	1	8/21/2017 12:48 PM
o-Xylene	ND		0.0059	mg/Kg-dry	1	8/21/2017 12:48 PM

Note:

ALS Environmental**Date:** 22-Aug-17

Client: MAKSolve, LLC
Project: Electro-Polish; 068-17; 529 Hunter Ave Dayton **Work Order:** 1708514
Sample ID: SB5 2-4 **Lab ID:** 1708514-05
Collection Date: 8/11/2017 03:35 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
p-Isopropyltoluene	ND		0.0059	mg/Kg-dry	1	8/21/2017 12:48 PM
sec-Butylbenzene	ND		0.0059	mg/Kg-dry	1	8/21/2017 12:48 PM
Styrene	ND		0.0059	mg/Kg-dry	1	8/21/2017 12:48 PM
tert-Butylbenzene	ND		0.0059	mg/Kg-dry	1	8/21/2017 12:48 PM
Tetrachloroethene	ND		0.0059	mg/Kg-dry	1	8/21/2017 12:48 PM
Toluene	ND		0.0059	mg/Kg-dry	1	8/21/2017 12:48 PM
trans-1,2-Dichloroethene	ND		0.0059	mg/Kg-dry	1	8/21/2017 12:48 PM
trans-1,3-Dichloropropene	ND		0.0059	mg/Kg-dry	1	8/21/2017 12:48 PM
Trichloroethene	0.013		0.0059	mg/Kg-dry	1	8/21/2017 12:48 PM
Trichlorofluoromethane	ND		0.0059	mg/Kg-dry	1	8/21/2017 12:48 PM
Vinyl chloride	ND		0.0059	mg/Kg-dry	1	8/21/2017 12:48 PM
Xylenes, Total	ND		0.012	mg/Kg-dry	1	8/21/2017 12:48 PM
<i>Surr: 4-Bromofluorobenzene</i>	98.5		62.7-159	%REC	1	8/21/2017 12:48 PM
<i>Surr: Dibromofluoromethane</i>	104		67.3-136	%REC	1	8/21/2017 12:48 PM
<i>Surr: Toluene-d8</i>	97.6		83-124	%REC	1	8/21/2017 12:48 PM

Note:

ALS Environmental

Date: 22-Aug-17

Client: MAKsolve, LLC
Project: Electro-Polish; 068-17; 529 Hunter Ave Dayton
Sample ID: SBW-3
Collection Date: 8/11/2017 03:50 PM

Work Order: 1708514
Lab ID: 1708514-06
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MERCURY BY CVAA						
Mercury	ND		0.00050	mg/L	1	Analyst: MHW 8/21/2017
METALS BY ICP						
Arsenic	0.084		0.010	mg/L	1	Analyst: SRL 8/21/2017 02:18 PM
Barium	0.89		0.10	mg/L	1	8/21/2017 02:18 PM
Cadmium	ND		0.0050	mg/L	1	8/21/2017 02:18 PM
Chromium	0.087		0.020	mg/L	1	8/21/2017 02:18 PM
Lead	0.082		0.015	mg/L	1	8/21/2017 02:18 PM
Selenium	ND		0.030	mg/L	1	8/21/2017 02:18 PM
Silver	ND		0.010	mg/L	1	8/21/2017 02:18 PM
PAH COMPOUNDS						
1-Methylnaphthalene	ND		0.00020	mg/L	1	Analyst: JCL 8/17/2017 08:28 PM
2-Methylnaphthalene	ND		0.00020	mg/L	1	8/17/2017 08:28 PM
Acenaphthene	ND		0.00020	mg/L	1	8/17/2017 08:28 PM
Acenaphthylene	ND		0.00020	mg/L	1	8/17/2017 08:28 PM
Anthracene	ND		0.00020	mg/L	1	8/17/2017 08:28 PM
Benzo(a)anthracene	ND		0.00020	mg/L	1	8/17/2017 08:28 PM
Benzo(a)pyrene	ND		0.00015	mg/L	1	8/17/2017 08:28 PM
Benzo(b)fluoranthene	ND		0.00015	mg/L	1	8/17/2017 08:28 PM
Benzo(g,h,i)perylene	ND		0.00020	mg/L	1	8/17/2017 08:28 PM
Benzo(k)fluoranthene	ND		0.00020	mg/L	1	8/17/2017 08:28 PM
Carbazole	ND		0.00020	mg/L	1	8/17/2017 08:28 PM
Chrysene	ND		0.00020	mg/L	1	8/17/2017 08:28 PM
Dibenzo(a,h)anthracene	ND		0.00015	mg/L	1	8/17/2017 08:28 PM
Dibenzofuran	ND		0.00020	mg/L	1	8/17/2017 08:28 PM
Fluoranthene	ND		0.00020	mg/L	1	8/17/2017 08:28 PM
Fluorene	ND		0.00020	mg/L	1	8/17/2017 08:28 PM
Indeno(1,2,3-cd)pyrene	ND		0.00015	mg/L	1	8/17/2017 08:28 PM
Naphthalene	ND		0.00020	mg/L	1	8/17/2017 08:28 PM
Phenanthrene	ND		0.00020	mg/L	1	8/17/2017 08:28 PM
Pyrene	ND		0.00020	mg/L	1	8/17/2017 08:28 PM
Surr: 2-Fluorobiphenyl	66.4		21.6-144	%REC	1	8/17/2017 08:28 PM
VOLATILE ORGANIC COMPOUNDS						
1,1,1,2-Tetrachloroethane	ND		0.0050	mg/L	1	Analyst: MRJ 8/16/2017 05:00 PM
1,1,1-Trichloroethane	ND		0.0050	mg/L	1	8/16/2017 05:00 PM
1,1,2,2-Tetrachloroethane	ND		0.0050	mg/L	1	8/16/2017 05:00 PM
1,1,2-Trichloroethane	ND		0.0050	mg/L	1	8/16/2017 05:00 PM
1,1-Dichloroethane	ND		0.0050	mg/L	1	8/16/2017 05:00 PM

Note:

ALS Environmental**Date:** 22-Aug-17

Client: MAKSolve, LLC
Project: Electro-Polish; 068-17; 529 Hunter Ave Dayton
Sample ID: SBW-3
Collection Date: 8/11/2017 03:50 PM

Work Order: 1708514
Lab ID: 1708514-06
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,1-Dichloroethene	ND		0.0050	mg/L	1	8/16/2017 05:00 PM
1,1-Dichloropropene	ND		0.0050	mg/L	1	8/16/2017 05:00 PM
1,2,3-Trichlorobenzene	ND		0.0050	mg/L	1	8/16/2017 05:00 PM
1,2,3-Trichloropropane	ND		0.0050	mg/L	1	8/16/2017 05:00 PM
1,2,4-Trichlorobenzene	ND		0.0050	mg/L	1	8/16/2017 05:00 PM
1,2,4-Trimethylbenzene	ND		0.0050	mg/L	1	8/16/2017 05:00 PM
1,2-Dibromo-3-chloropropane	ND		0.0050	mg/L	1	8/16/2017 05:00 PM
1,2-Dibromoethane	ND		0.0050	mg/L	1	8/16/2017 05:00 PM
1,2-Dichlorobenzene	ND		0.0050	mg/L	1	8/16/2017 05:00 PM
1,2-Dichloroethane	ND		0.0050	mg/L	1	8/16/2017 05:00 PM
1,2-Dichloropropane	ND		0.0050	mg/L	1	8/16/2017 05:00 PM
1,3,5-Trimethylbenzene	ND		0.0050	mg/L	1	8/16/2017 05:00 PM
1,3-Dichlorobenzene	ND		0.0050	mg/L	1	8/16/2017 05:00 PM
1,3-Dichloropropane	ND		0.0050	mg/L	1	8/16/2017 05:00 PM
1,4-Dichlorobenzene	ND		0.0050	mg/L	1	8/16/2017 05:00 PM
2,2-Dichloropropane	ND		0.0050	mg/L	1	8/16/2017 05:00 PM
2-Butanone	ND		0.050	mg/L	1	8/16/2017 05:00 PM
2-Chlorotoluene	ND		0.0050	mg/L	1	8/16/2017 05:00 PM
2-Hexanone	ND		0.0050	mg/L	1	8/16/2017 05:00 PM
4-Chlorotoluene	ND		0.0050	mg/L	1	8/16/2017 05:00 PM
4-Methyl-2-pentanone	ND		0.0050	mg/L	1	8/16/2017 05:00 PM
Acetone	ND		0.050	mg/L	1	8/16/2017 05:00 PM
Benzene	ND		0.0050	mg/L	1	8/16/2017 05:00 PM
Bromobenzene	ND		0.0050	mg/L	1	8/16/2017 05:00 PM
Bromochloromethane	ND		0.0050	mg/L	1	8/16/2017 05:00 PM
Bromodichloromethane	ND		0.0050	mg/L	1	8/16/2017 05:00 PM
Bromoform	ND		0.0050	mg/L	1	8/16/2017 05:00 PM
Bromomethane	ND		0.0050	mg/L	1	8/16/2017 05:00 PM
Carbon disulfide	ND		0.0050	mg/L	1	8/16/2017 05:00 PM
Carbon tetrachloride	ND		0.0050	mg/L	1	8/16/2017 05:00 PM
Chlorobenzene	ND		0.0050	mg/L	1	8/16/2017 05:00 PM
Chloroethane	ND		0.0050	mg/L	1	8/16/2017 05:00 PM
Chloroform	ND		0.0050	mg/L	1	8/16/2017 05:00 PM
Chloromethane	ND		0.0050	mg/L	1	8/16/2017 05:00 PM
cis-1,2-Dichloroethene	ND		0.0050	mg/L	1	8/16/2017 05:00 PM
cis-1,3-Dichloropropene	ND		0.0050	mg/L	1	8/16/2017 05:00 PM
Dibromochloromethane	ND		0.0050	mg/L	1	8/16/2017 05:00 PM
Dibromomethane	ND		0.0050	mg/L	1	8/16/2017 05:00 PM
Dichlorodifluoromethane	ND		0.0050	mg/L	1	8/16/2017 05:00 PM
Ethylbenzene	ND		0.0050	mg/L	1	8/16/2017 05:00 PM

Note:

ALS Environmental**Date:** 22-Aug-17

Client: MAKSolve, LLC
Project: Electro-Polish; 068-17; 529 Hunter Ave Dayton **Work Order:** 1708514
Sample ID: SBW-3 **Lab ID:** 1708514-06
Collection Date: 8/11/2017 03:50 PM **Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Hexachlorobutadiene	ND		0.0050	mg/L	1	8/16/2017 05:00 PM
Isopropylbenzene	ND		0.0050	mg/L	1	8/16/2017 05:00 PM
m,p-Xylene	ND		0.0050	mg/L	1	8/16/2017 05:00 PM
Methyl tert-butyl ether	ND		0.0050	mg/L	1	8/16/2017 05:00 PM
Methylene chloride	ND		0.0050	mg/L	1	8/16/2017 05:00 PM
Naphthalene	ND		0.0050	mg/L	1	8/16/2017 05:00 PM
n-Butylbenzene	ND		0.0050	mg/L	1	8/16/2017 05:00 PM
n-Propylbenzene	ND		0.0050	mg/L	1	8/16/2017 05:00 PM
o-Xylene	ND		0.0050	mg/L	1	8/16/2017 05:00 PM
p-Isopropyltoluene	ND		0.0050	mg/L	1	8/16/2017 05:00 PM
sec-Butylbenzene	ND		0.0050	mg/L	1	8/16/2017 05:00 PM
Styrene	ND		0.0050	mg/L	1	8/16/2017 05:00 PM
tert-Butylbenzene	ND		0.0050	mg/L	1	8/16/2017 05:00 PM
Tetrachloroethene	ND		0.0050	mg/L	1	8/16/2017 05:00 PM
Toluene	ND		0.0050	mg/L	1	8/16/2017 05:00 PM
trans-1,2-Dichloroethene	ND		0.0050	mg/L	1	8/16/2017 05:00 PM
trans-1,3-Dichloropropene	ND		0.0050	mg/L	1	8/16/2017 05:00 PM
Trichloroethene	ND		0.0050	mg/L	1	8/16/2017 05:00 PM
Trichlorofluoromethane	ND		0.0050	mg/L	1	8/16/2017 05:00 PM
Vinyl chloride	ND		0.0020	mg/L	1	8/16/2017 05:00 PM
Xylenes, Total	ND		0.010	mg/L	1	8/16/2017 05:00 PM
<i>Surr: 4-Bromofluorobenzene</i>	98.1		61-131	%REC	1	8/16/2017 05:00 PM
<i>Surr: Dibromofluoromethane</i>	100		87-126	%REC	1	8/16/2017 05:00 PM
<i>Surr: Toluene-d8</i>	104		84-111	%REC	1	8/16/2017 05:00 PM

Note:

ALS Environmental

Date: 22-Aug-17

Client: MAKSolve, LLC
Project: Electro-Polish; 068-17; 529 Hunter Ave Dayton
Sample ID: SBW-6
Collection Date: 8/11/2017 04:30 PM

Work Order: 1708514
Lab ID: 1708514-07
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MERCURY BY CVAA						
Mercury	ND		0.00050	mg/L	1	Analyst: MHW 8/21/2017
METALS BY ICP						
Arsenic	0.47		0.010	mg/L	1	Analyst: SRL 8/21/2017 02:22 PM
Barium	4.1		0.10	mg/L	1	8/21/2017 02:22 PM
Cadmium	ND		0.050	mg/L	1	8/21/2017 02:22 PM
Chromium	0.20		0.020	mg/L	1	8/21/2017 02:22 PM
Lead	0.29		0.015	mg/L	1	8/21/2017 02:22 PM
Selenium	ND		0.030	mg/L	1	8/21/2017 02:22 PM
Silver	ND		0.010	mg/L	1	8/21/2017 02:22 PM
PAH COMPOUNDS						
1-Methylnaphthalene	ND		0.00020	mg/L	1	Analyst: JCL 8/17/2017 08:45 PM
2-Methylnaphthalene	ND		0.00020	mg/L	1	8/17/2017 08:45 PM
Acenaphthene	ND		0.00020	mg/L	1	8/17/2017 08:45 PM
Acenaphthylene	ND		0.00020	mg/L	1	8/17/2017 08:45 PM
Anthracene	ND		0.00020	mg/L	1	8/17/2017 08:45 PM
Benzo(a)anthracene	ND		0.00020	mg/L	1	8/17/2017 08:45 PM
Benzo(a)pyrene	ND		0.00015	mg/L	1	8/17/2017 08:45 PM
Benzo(b)fluoranthene	ND		0.00015	mg/L	1	8/17/2017 08:45 PM
Benzo(g,h,i)perylene	ND		0.00020	mg/L	1	8/17/2017 08:45 PM
Benzo(k)fluoranthene	ND		0.00020	mg/L	1	8/17/2017 08:45 PM
Carbazole	ND		0.00020	mg/L	1	8/17/2017 08:45 PM
Chrysene	ND		0.00020	mg/L	1	8/17/2017 08:45 PM
Dibenzo(a,h)anthracene	ND		0.00015	mg/L	1	8/17/2017 08:45 PM
Dibenzofuran	ND		0.00020	mg/L	1	8/17/2017 08:45 PM
Fluoranthene	ND		0.00020	mg/L	1	8/17/2017 08:45 PM
Fluorene	ND		0.00020	mg/L	1	8/17/2017 08:45 PM
Indeno(1,2,3-cd)pyrene	ND		0.00015	mg/L	1	8/17/2017 08:45 PM
Naphthalene	ND		0.00020	mg/L	1	8/17/2017 08:45 PM
Phenanthrene	ND		0.00020	mg/L	1	8/17/2017 08:45 PM
Pyrene	ND		0.00020	mg/L	1	8/17/2017 08:45 PM
Surr: 2-Fluorobiphenyl	84.2		21.6-144	%REC	1	8/17/2017 08:45 PM
VOLATILE ORGANIC COMPOUNDS						
1,1,1,2-Tetrachloroethane	ND		0.0050	mg/L	1	Analyst: MRJ 8/16/2017 05:24 PM
1,1,1-Trichloroethane	ND		0.0050	mg/L	1	8/16/2017 05:24 PM
1,1,2,2-Tetrachloroethane	ND		0.0050	mg/L	1	8/16/2017 05:24 PM
1,1,2-Trichloroethane	ND		0.0050	mg/L	1	8/16/2017 05:24 PM
1,1-Dichloroethane	ND		0.0050	mg/L	1	8/16/2017 05:24 PM

Note:

ALS Environmental**Date:** 22-Aug-17

Client: MAKSolve, LLC
Project: Electro-Polish; 068-17; 529 Hunter Ave Dayton
Sample ID: SBW-6
Collection Date: 8/11/2017 04:30 PM

Work Order: 1708514
Lab ID: 1708514-07
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,1-Dichloroethene	ND		0.0050	mg/L	1	8/16/2017 05:24 PM
1,1-Dichloropropene	ND		0.0050	mg/L	1	8/16/2017 05:24 PM
1,2,3-Trichlorobenzene	ND		0.0050	mg/L	1	8/16/2017 05:24 PM
1,2,3-Trichloropropane	ND		0.0050	mg/L	1	8/16/2017 05:24 PM
1,2,4-Trichlorobenzene	ND		0.0050	mg/L	1	8/16/2017 05:24 PM
1,2,4-Trimethylbenzene	ND		0.0050	mg/L	1	8/16/2017 05:24 PM
1,2-Dibromo-3-chloropropane	ND		0.0050	mg/L	1	8/16/2017 05:24 PM
1,2-Dibromoethane	ND		0.0050	mg/L	1	8/16/2017 05:24 PM
1,2-Dichlorobenzene	ND		0.0050	mg/L	1	8/16/2017 05:24 PM
1,2-Dichloroethane	ND		0.0050	mg/L	1	8/16/2017 05:24 PM
1,2-Dichloropropane	ND		0.0050	mg/L	1	8/16/2017 05:24 PM
1,3,5-Trimethylbenzene	ND		0.0050	mg/L	1	8/16/2017 05:24 PM
1,3-Dichlorobenzene	ND		0.0050	mg/L	1	8/16/2017 05:24 PM
1,3-Dichloropropane	ND		0.0050	mg/L	1	8/16/2017 05:24 PM
1,4-Dichlorobenzene	ND		0.0050	mg/L	1	8/16/2017 05:24 PM
2,2-Dichloropropane	ND		0.0050	mg/L	1	8/16/2017 05:24 PM
2-Butanone	ND		0.050	mg/L	1	8/16/2017 05:24 PM
2-Chlorotoluene	ND		0.0050	mg/L	1	8/16/2017 05:24 PM
2-Hexanone	ND		0.0050	mg/L	1	8/16/2017 05:24 PM
4-Chlorotoluene	ND		0.0050	mg/L	1	8/16/2017 05:24 PM
4-Methyl-2-pentanone	ND		0.0050	mg/L	1	8/16/2017 05:24 PM
Acetone	ND		0.050	mg/L	1	8/16/2017 05:24 PM
Benzene	ND		0.0050	mg/L	1	8/16/2017 05:24 PM
Bromobenzene	ND		0.0050	mg/L	1	8/16/2017 05:24 PM
Bromochloromethane	ND		0.0050	mg/L	1	8/16/2017 05:24 PM
Bromodichloromethane	ND		0.0050	mg/L	1	8/16/2017 05:24 PM
Bromoform	ND		0.0050	mg/L	1	8/16/2017 05:24 PM
Bromomethane	ND		0.0050	mg/L	1	8/16/2017 05:24 PM
Carbon disulfide	ND		0.0050	mg/L	1	8/16/2017 05:24 PM
Carbon tetrachloride	ND		0.0050	mg/L	1	8/16/2017 05:24 PM
Chlorobenzene	ND		0.0050	mg/L	1	8/16/2017 05:24 PM
Chloroethane	ND		0.0050	mg/L	1	8/16/2017 05:24 PM
Chloroform	ND		0.0050	mg/L	1	8/16/2017 05:24 PM
Chloromethane	ND		0.0050	mg/L	1	8/16/2017 05:24 PM
cis-1,2-Dichloroethene	ND		0.0050	mg/L	1	8/16/2017 05:24 PM
cis-1,3-Dichloropropene	ND		0.0050	mg/L	1	8/16/2017 05:24 PM
Dibromochloromethane	ND		0.0050	mg/L	1	8/16/2017 05:24 PM
Dibromomethane	ND		0.0050	mg/L	1	8/16/2017 05:24 PM
Dichlorodifluoromethane	ND		0.0050	mg/L	1	8/16/2017 05:24 PM
Ethylbenzene	ND		0.0050	mg/L	1	8/16/2017 05:24 PM

Note:

ALS Environmental

Date: 22-Aug-17

Client: MAKSolve, LLC
Project: Electro-Polish; 068-17; 529 Hunter Ave Dayton **Work Order:** 1708514
Sample ID: SBW-6 **Lab ID:** 1708514-07
Collection Date: 8/11/2017 04:30 PM **Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Hexachlorobutadiene	ND		0.0050	mg/L	1	8/16/2017 05:24 PM
Isopropylbenzene	ND		0.0050	mg/L	1	8/16/2017 05:24 PM
m,p-Xylene	ND		0.0050	mg/L	1	8/16/2017 05:24 PM
Methyl tert-butyl ether	ND		0.0050	mg/L	1	8/16/2017 05:24 PM
Methylene chloride	ND		0.0050	mg/L	1	8/16/2017 05:24 PM
Naphthalene	ND		0.0050	mg/L	1	8/16/2017 05:24 PM
n-Butylbenzene	ND		0.0050	mg/L	1	8/16/2017 05:24 PM
n-Propylbenzene	ND		0.0050	mg/L	1	8/16/2017 05:24 PM
o-Xylene	ND		0.0050	mg/L	1	8/16/2017 05:24 PM
p-Isopropyltoluene	ND		0.0050	mg/L	1	8/16/2017 05:24 PM
sec-Butylbenzene	ND		0.0050	mg/L	1	8/16/2017 05:24 PM
Styrene	ND		0.0050	mg/L	1	8/16/2017 05:24 PM
tert-Butylbenzene	ND		0.0050	mg/L	1	8/16/2017 05:24 PM
Tetrachloroethene	ND		0.0050	mg/L	1	8/16/2017 05:24 PM
Toluene	ND		0.0050	mg/L	1	8/16/2017 05:24 PM
trans-1,2-Dichloroethene	ND		0.0050	mg/L	1	8/16/2017 05:24 PM
trans-1,3-Dichloropropene	ND		0.0050	mg/L	1	8/16/2017 05:24 PM
Trichloroethene	0.053		0.0050	mg/L	1	8/16/2017 05:24 PM
Trichlorofluoromethane	ND		0.0050	mg/L	1	8/16/2017 05:24 PM
Vinyl chloride	ND		0.0020	mg/L	1	8/16/2017 05:24 PM
Xylenes, Total	ND		0.010	mg/L	1	8/16/2017 05:24 PM
Surr: 4-Bromofluorobenzene	98.5		61-131	%REC	1	8/16/2017 05:24 PM
Surr: Dibromofluoromethane	100		87-126	%REC	1	8/16/2017 05:24 PM
Surr: Toluene-d8	107		84-111	%REC	1	8/16/2017 05:24 PM

Note:

ALS Environmental

Date: 22-Aug-17

Client: MAKsolve, LLC
Project: Electro-Polish; 068-17; 529 Hunter Ave Dayton
Sample ID: SBW-6 Lab Filtered
Collection Date: 8/11/2017 04:30 PM

Work Order: 1708514
Lab ID: 1708514-08
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MERCURY BY CVAA (DISSOLVED)			SW7470A			
Mercury	ND		0.50	µg/L	1	Analyst: MHW 8/21/2017
METALS BY ICP (DISSOLVED)			SW6010B			
Arsenic	ND		0.010	mg/L	1	8/21/2017 02:00 PM
Barium	ND		0.10	mg/L	1	8/21/2017 02:00 PM
Cadmium	ND		0.0050	mg/L	1	8/21/2017 02:00 PM
Chromium	ND		0.020	mg/L	1	8/21/2017 02:00 PM
Lead	ND		0.015	mg/L	1	8/21/2017 02:00 PM
Selenium	ND		0.030	mg/L	1	8/21/2017 02:00 PM
Silver	ND		0.010	mg/L	1	8/21/2017 02:00 PM
PAH COMPOUNDS (DISSOLVED)			SW8270C			
1-Methylnaphthalene	ND		0.20	µg/L	1	8/17/2017 09:02 PM
2-Methylnaphthalene	ND		0.20	µg/L	1	8/17/2017 09:02 PM
Acenaphthene	ND		0.20	µg/L	1	8/17/2017 09:02 PM
Acenaphthylene	ND		0.20	µg/L	1	8/17/2017 09:02 PM
Anthracene	ND		0.20	µg/L	1	8/17/2017 09:02 PM
Benzo(a)anthracene	ND		0.20	µg/L	1	8/17/2017 09:02 PM
Benzo(a)pyrene	ND		0.15	µg/L	1	8/17/2017 09:02 PM
Benzo(b)fluoranthene	ND		0.15	µg/L	1	8/17/2017 09:02 PM
Benzo(g,h,i)perylene	ND		0.20	µg/L	1	8/17/2017 09:02 PM
Benzo(k)fluoranthene	ND		0.20	µg/L	1	8/17/2017 09:02 PM
Carbazole	ND		0.20	µg/L	1	8/17/2017 09:02 PM
Chrysene	ND		0.20	µg/L	1	8/17/2017 09:02 PM
Dibenzo(a,h)anthracene	ND		0.15	µg/L	1	8/17/2017 09:02 PM
Dibenzofuran	ND		0.20	µg/L	1	8/17/2017 09:02 PM
Fluoranthene	ND		0.20	µg/L	1	8/17/2017 09:02 PM
Fluorene	ND		0.20	µg/L	1	8/17/2017 09:02 PM
Indeno(1,2,3-cd)pyrene	ND		0.15	µg/L	1	8/17/2017 09:02 PM
Naphthalene	ND		0.20	µg/L	1	8/17/2017 09:02 PM
Phenanthrene	ND		0.20	µg/L	1	8/17/2017 09:02 PM
Pyrene	ND		0.20	µg/L	1	8/17/2017 09:02 PM
Surr: 2-Fluorobiphenyl	81.8		21.6-144	%REC	1	8/17/2017 09:02 PM

Note:

ALS Environmental

Date: 22-Aug-17

Client: MAKsolve, LLC
Project: Electro-Polish; 068-17; 529 Hunter Ave Dayton
Sample ID: SB6 6-8
Collection Date: 8/11/2017 04:40 PM

Work Order: 1708514
Lab ID: 1708514-09
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MOISTURE			SM2540B		Prep Date: 8/22/2017	Analyst: MWP
Moisture	10		% of sample		1	8/22/2017
MERCURY BY CVAA			SW7471A		Prep Date: 8/21/2017	Analyst: MHW
Mercury	ND		0.29	mg/Kg-dry	1	8/21/2017
METALS BY ICP			SW6010B		Prep Date: 8/17/2017	Analyst: CEG
Arsenic	ND		5.4	mg/Kg-dry	1	8/17/2017 05:44 PM
Barium	12		11	mg/Kg-dry	1	8/17/2017 05:44 PM
Cadmium	ND		1.1	mg/Kg-dry	1	8/17/2017 05:44 PM
Chromium	9.5		2.1	mg/Kg-dry	1	8/17/2017 05:44 PM
Lead	14		5.4	mg/Kg-dry	1	8/17/2017 05:44 PM
Selenium	ND		3.2	mg/Kg-dry	1	8/17/2017 05:44 PM
Silver	ND		1.1	mg/Kg-dry	1	8/17/2017 05:44 PM
PAH COMPOUNDS			SW8270C		Prep Date: 8/17/2017	Analyst: JCL
1-Methylnaphthalene	ND		0.22	mg/Kg-dry	1	8/18/2017 01:53 AM
2-Methylnaphthalene	ND		0.22	mg/Kg-dry	1	8/18/2017 01:53 AM
Acenaphthene	ND		0.22	mg/Kg-dry	1	8/18/2017 01:53 AM
Acenaphthylene	ND		0.22	mg/Kg-dry	1	8/18/2017 01:53 AM
Anthracene	ND		0.22	mg/Kg-dry	1	8/18/2017 01:53 AM
Benzo(a)anthracene	ND		0.11	mg/Kg-dry	1	8/18/2017 01:53 AM
Benzo(a)pyrene	ND		0.22	mg/Kg-dry	1	8/18/2017 01:53 AM
Benzo(b)fluoranthene	ND		0.22	mg/Kg-dry	1	8/18/2017 01:53 AM
Benzo(g,h,i)perylene	ND		0.22	mg/Kg-dry	1	8/18/2017 01:53 AM
Benzo(k)fluoranthene	ND		0.22	mg/Kg-dry	1	8/18/2017 01:53 AM
Carbazole	ND		0.22	mg/Kg-dry	1	8/18/2017 01:53 AM
Chrysene	ND		0.22	mg/Kg-dry	1	8/18/2017 01:53 AM
Dibenzo(a,h)anthracene	ND		0.22	mg/Kg-dry	1	8/18/2017 01:53 AM
Dibenzofuran	ND		0.22	mg/Kg-dry	1	8/18/2017 01:53 AM
Fluoranthene	ND		0.22	mg/Kg-dry	1	8/18/2017 01:53 AM
Fluorene	ND		0.22	mg/Kg-dry	1	8/18/2017 01:53 AM
Indeno(1,2,3-cd)pyrene	ND		0.11	mg/Kg-dry	1	8/18/2017 01:53 AM
Naphthalene	ND		0.22	mg/Kg-dry	1	8/18/2017 01:53 AM
Phenanthrene	ND		0.22	mg/Kg-dry	1	8/18/2017 01:53 AM
Pyrene	ND		0.22	mg/Kg-dry	1	8/18/2017 01:53 AM
Surr: 2-Fluorobiphenyl	82.8		30-116	%REC	1	8/18/2017 01:53 AM
VOLATILE ORGANIC COMPOUNDS			SW8260B		Analyst: LAK	
1,1,1,2-Tetrachloroethane	ND		0.0056	mg/Kg-dry	1	8/21/2017 01:10 PM
1,1,1-Trichloroethane	ND		0.0056	mg/Kg-dry	1	8/21/2017 01:10 PM
1,1,2,2-Tetrachloroethane	ND		0.0056	mg/Kg-dry	1	8/21/2017 01:10 PM

Note:

ALS Environmental**Date:** 22-Aug-17

Client: MAKSolve, LLC
Project: Electro-Polish; 068-17; 529 Hunter Ave Dayton
Sample ID: SB6 6-8
Collection Date: 8/11/2017 04:40 PM

Work Order: 1708514
Lab ID: 1708514-09
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,1,2-Trichloroethane	ND		0.0056	mg/Kg-dry	1	8/21/2017 01:10 PM
1,1-Dichloroethane	ND		0.0056	mg/Kg-dry	1	8/21/2017 01:10 PM
1,1-Dichloroethene	ND		0.0056	mg/Kg-dry	1	8/21/2017 01:10 PM
1,1-Dichloropropene	ND		0.0056	mg/Kg-dry	1	8/21/2017 01:10 PM
1,2,3-Trichlorobenzene	ND		0.0056	mg/Kg-dry	1	8/21/2017 01:10 PM
1,2,3-Trichloropropane	ND		0.0056	mg/Kg-dry	1	8/21/2017 01:10 PM
1,2,4-Trichlorobenzene	ND		0.0056	mg/Kg-dry	1	8/21/2017 01:10 PM
1,2,4-Trimethylbenzene	ND		0.0056	mg/Kg-dry	1	8/21/2017 01:10 PM
1,2-Dibromo-3-chloropropane	ND		0.0056	mg/Kg-dry	1	8/21/2017 01:10 PM
1,2-Dibromoethane	ND		0.0056	mg/Kg-dry	1	8/21/2017 01:10 PM
1,2-Dichlorobenzene	ND		0.0056	mg/Kg-dry	1	8/21/2017 01:10 PM
1,2-Dichloroethane	ND		0.0056	mg/Kg-dry	1	8/21/2017 01:10 PM
1,2-Dichloropropane	ND		0.0056	mg/Kg-dry	1	8/21/2017 01:10 PM
1,3,5-Trimethylbenzene	ND		0.0056	mg/Kg-dry	1	8/21/2017 01:10 PM
1,3-Dichlorobenzene	ND		0.0056	mg/Kg-dry	1	8/21/2017 01:10 PM
1,3-Dichloropropane	ND		0.0056	mg/Kg-dry	1	8/21/2017 01:10 PM
1,4-Dichlorobenzene	ND		0.0056	mg/Kg-dry	1	8/21/2017 01:10 PM
2,2-Dichloropropane	ND		0.0056	mg/Kg-dry	1	8/21/2017 01:10 PM
2-Butanone	ND		0.056	mg/Kg-dry	1	8/21/2017 01:10 PM
2-Chlorotoluene	ND		0.0056	mg/Kg-dry	1	8/21/2017 01:10 PM
2-Hexanone	ND		0.0056	mg/Kg-dry	1	8/21/2017 01:10 PM
4-Chlorotoluene	ND		0.0056	mg/Kg-dry	1	8/21/2017 01:10 PM
4-Methyl-2-pentanone	ND		0.0056	mg/Kg-dry	1	8/21/2017 01:10 PM
Acetone	ND		0.056	mg/Kg-dry	1	8/21/2017 01:10 PM
Benzene	ND		0.0056	mg/Kg-dry	1	8/21/2017 01:10 PM
Bromobenzene	ND		0.0056	mg/Kg-dry	1	8/21/2017 01:10 PM
Bromochloromethane	ND		0.0056	mg/Kg-dry	1	8/21/2017 01:10 PM
Bromodichloromethane	ND		0.0056	mg/Kg-dry	1	8/21/2017 01:10 PM
Bromoform	ND		0.0056	mg/Kg-dry	1	8/21/2017 01:10 PM
Bromomethane	ND		0.0056	mg/Kg-dry	1	8/21/2017 01:10 PM
Carbon disulfide	ND		0.0056	mg/Kg-dry	1	8/21/2017 01:10 PM
Carbon tetrachloride	ND		0.0056	mg/Kg-dry	1	8/21/2017 01:10 PM
Chlorobenzene	ND		0.0056	mg/Kg-dry	1	8/21/2017 01:10 PM
Chloroethane	ND		0.0056	mg/Kg-dry	1	8/21/2017 01:10 PM
Chloroform	ND		0.0056	mg/Kg-dry	1	8/21/2017 01:10 PM
Chloromethane	ND		0.0056	mg/Kg-dry	1	8/21/2017 01:10 PM
cis-1,2-Dichloroethene	ND		0.0056	mg/Kg-dry	1	8/21/2017 01:10 PM
cis-1,3-Dichloropropene	ND		0.0056	mg/Kg-dry	1	8/21/2017 01:10 PM
Dibromochloromethane	ND		0.0056	mg/Kg-dry	1	8/21/2017 01:10 PM
Dibromomethane	ND		0.0056	mg/Kg-dry	1	8/21/2017 01:10 PM

Note:

ALS Environmental**Date:** 22-Aug-17

Client: MAKSolve, LLC
Project: Electro-Polish; 068-17; 529 Hunter Ave Dayton **Work Order:** 1708514
Sample ID: SB6 6-8 **Lab ID:** 1708514-09
Collection Date: 8/11/2017 04:40 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Dichlorodifluoromethane	ND		0.0056	mg/Kg-dry	1	8/21/2017 01:10 PM
Ethylbenzene	ND		0.0056	mg/Kg-dry	1	8/21/2017 01:10 PM
Hexachlorobutadiene	ND		0.0056	mg/Kg-dry	1	8/21/2017 01:10 PM
Isopropylbenzene	ND		0.0056	mg/Kg-dry	1	8/21/2017 01:10 PM
m,p-Xylene	ND		0.0056	mg/Kg-dry	1	8/21/2017 01:10 PM
Methyl tert-butyl ether	ND		0.0056	mg/Kg-dry	1	8/21/2017 01:10 PM
Methylene chloride	ND		0.022	mg/Kg-dry	1	8/21/2017 01:10 PM
Naphthalene	ND		0.0056	mg/Kg-dry	1	8/21/2017 01:10 PM
n-Butylbenzene	ND		0.0056	mg/Kg-dry	1	8/21/2017 01:10 PM
n-Propylbenzene	ND		0.0056	mg/Kg-dry	1	8/21/2017 01:10 PM
o-Xylene	ND		0.0056	mg/Kg-dry	1	8/21/2017 01:10 PM
p-Isopropyltoluene	ND		0.0056	mg/Kg-dry	1	8/21/2017 01:10 PM
sec-Butylbenzene	ND		0.0056	mg/Kg-dry	1	8/21/2017 01:10 PM
Styrene	ND		0.0056	mg/Kg-dry	1	8/21/2017 01:10 PM
tert-Butylbenzene	ND		0.0056	mg/Kg-dry	1	8/21/2017 01:10 PM
Tetrachloroethene	ND		0.0056	mg/Kg-dry	1	8/21/2017 01:10 PM
Toluene	ND		0.0056	mg/Kg-dry	1	8/21/2017 01:10 PM
trans-1,2-Dichloroethene	ND		0.0056	mg/Kg-dry	1	8/21/2017 01:10 PM
trans-1,3-Dichloropropene	ND		0.0056	mg/Kg-dry	1	8/21/2017 01:10 PM
Trichloroethene	ND		0.0056	mg/Kg-dry	1	8/21/2017 01:10 PM
Trichlorofluoromethane	ND		0.0056	mg/Kg-dry	1	8/21/2017 01:10 PM
Vinyl chloride	ND		0.0056	mg/Kg-dry	1	8/21/2017 01:10 PM
Xylenes, Total	ND		0.011	mg/Kg-dry	1	8/21/2017 01:10 PM
<i>Surr: 4-Bromofluorobenzene</i>	97.4		62.7-159	%REC	1	8/21/2017 01:10 PM
<i>Surr: Dibromofluoromethane</i>	103		67.3-136	%REC	1	8/21/2017 01:10 PM
<i>Surr: Toluene-d8</i>	98.7		83-124	%REC	1	8/21/2017 01:10 PM

Note:

ALS Environmental

Date: 22-Aug-17

Client: MAKsolve, LLC
Project: Electro-Polish; 068-17; 529 Hunter Ave Dayton
Sample ID: SB7 0-2
Collection Date: 8/11/2017 05:15 PM

Work Order: 1708514
Lab ID: 1708514-10
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MOISTURE			SM2540B		Prep Date: 8/22/2017	Analyst: MWP
Moisture	7.5		% of sample		1	8/22/2017
MERCURY BY CVAA			SW7471A		Prep Date: 8/21/2017	Analyst: MHW
Mercury	ND		0.32	mg/Kg-dry	1	8/21/2017
METALS BY ICP			SW6010B		Prep Date: 8/17/2017	Analyst: CEG
Arsenic	ND		5.3	mg/Kg-dry	1	8/17/2017 05:54 PM
Barium	15		11	mg/Kg-dry	1	8/17/2017 05:54 PM
Cadmium	ND		1.1	mg/Kg-dry	1	8/17/2017 05:54 PM
Chromium	16		2.1	mg/Kg-dry	1	8/17/2017 05:54 PM
Lead	19		5.3	mg/Kg-dry	1	8/17/2017 05:54 PM
Selenium	ND		3.2	mg/Kg-dry	1	8/17/2017 05:54 PM
Silver	ND		1.1	mg/Kg-dry	1	8/17/2017 05:54 PM
PAH COMPOUNDS			SW8270C		Prep Date: 8/17/2017	Analyst: JCL
1-Methylnaphthalene	0.27		0.22	mg/Kg-dry	1	8/18/2017 02:18 AM
2-Methylnaphthalene	ND		0.22	mg/Kg-dry	1	8/18/2017 02:18 AM
Acenaphthene	ND		0.22	mg/Kg-dry	1	8/18/2017 02:18 AM
Acenaphthylene	ND		0.22	mg/Kg-dry	1	8/18/2017 02:18 AM
Anthracene	0.44		0.22	mg/Kg-dry	1	8/18/2017 02:18 AM
Benzo(a)anthracene	0.33		0.11	mg/Kg-dry	1	8/18/2017 02:18 AM
Benzo(a)pyrene	ND		0.22	mg/Kg-dry	1	8/18/2017 02:18 AM
Benzo(b)fluoranthene	ND		0.22	mg/Kg-dry	1	8/18/2017 02:18 AM
Benzo(g,h,i)perylene	ND		0.22	mg/Kg-dry	1	8/18/2017 02:18 AM
Benzo(k)fluoranthene	ND		0.22	mg/Kg-dry	1	8/18/2017 02:18 AM
Carbazole	ND		0.22	mg/Kg-dry	1	8/18/2017 02:18 AM
Chrysene	0.38		0.22	mg/Kg-dry	1	8/18/2017 02:18 AM
Dibenzo(a,h)anthracene	ND		0.22	mg/Kg-dry	1	8/18/2017 02:18 AM
Dibenzofuran	ND		0.22	mg/Kg-dry	1	8/18/2017 02:18 AM
Fluoranthene	0.59		0.22	mg/Kg-dry	1	8/18/2017 02:18 AM
Fluorene	ND		0.22	mg/Kg-dry	1	8/18/2017 02:18 AM
Indeno(1,2,3-cd)pyrene	ND		0.11	mg/Kg-dry	1	8/18/2017 02:18 AM
Naphthalene	ND		0.22	mg/Kg-dry	1	8/18/2017 02:18 AM
Phenanthrene	0.43		0.22	mg/Kg-dry	1	8/18/2017 02:18 AM
Pyrene	0.51		0.22	mg/Kg-dry	1	8/18/2017 02:18 AM
Surr: 2-Fluorobiphenyl	74.8		30-116	%REC	1	8/18/2017 02:18 AM
VOLATILE ORGANIC COMPOUNDS			SW8260B		Analyst: LAK	
1,1,1,2-Tetrachloroethane	ND		0.0054	mg/Kg-dry	1	8/21/2017 01:33 PM
1,1,1-Trichloroethane	ND		0.0054	mg/Kg-dry	1	8/21/2017 01:33 PM
1,1,2,2-Tetrachloroethane	ND		0.0054	mg/Kg-dry	1	8/21/2017 01:33 PM

Note:

ALS Environmental**Date:** 22-Aug-17

Client: MAKSolve, LLC
Project: Electro-Polish; 068-17; 529 Hunter Ave Dayton **Work Order:** 1708514
Sample ID: SB7 0-2 **Lab ID:** 1708514-10
Collection Date: 8/11/2017 05:15 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,1,2-Trichloroethane	ND		0.0054	mg/Kg-dry	1	8/21/2017 01:33 PM
1,1-Dichloroethane	ND		0.0054	mg/Kg-dry	1	8/21/2017 01:33 PM
1,1-Dichloroethene	ND		0.0054	mg/Kg-dry	1	8/21/2017 01:33 PM
1,1-Dichloropropene	ND		0.0054	mg/Kg-dry	1	8/21/2017 01:33 PM
1,2,3-Trichlorobenzene	ND		0.0054	mg/Kg-dry	1	8/21/2017 01:33 PM
1,2,3-Trichloropropane	ND		0.0054	mg/Kg-dry	1	8/21/2017 01:33 PM
1,2,4-Trichlorobenzene	ND		0.0054	mg/Kg-dry	1	8/21/2017 01:33 PM
1,2,4-Trimethylbenzene	ND		0.0054	mg/Kg-dry	1	8/21/2017 01:33 PM
1,2-Dibromo-3-chloropropane	ND		0.0054	mg/Kg-dry	1	8/21/2017 01:33 PM
1,2-Dibromoethane	ND		0.0054	mg/Kg-dry	1	8/21/2017 01:33 PM
1,2-Dichlorobenzene	ND		0.0054	mg/Kg-dry	1	8/21/2017 01:33 PM
1,2-Dichloroethane	ND		0.0054	mg/Kg-dry	1	8/21/2017 01:33 PM
1,2-Dichloropropane	ND		0.0054	mg/Kg-dry	1	8/21/2017 01:33 PM
1,3,5-Trimethylbenzene	ND		0.0054	mg/Kg-dry	1	8/21/2017 01:33 PM
1,3-Dichlorobenzene	ND		0.0054	mg/Kg-dry	1	8/21/2017 01:33 PM
1,3-Dichloropropane	ND		0.0054	mg/Kg-dry	1	8/21/2017 01:33 PM
1,4-Dichlorobenzene	ND		0.0054	mg/Kg-dry	1	8/21/2017 01:33 PM
2,2-Dichloropropane	ND		0.0054	mg/Kg-dry	1	8/21/2017 01:33 PM
2-Butanone	ND		0.054	mg/Kg-dry	1	8/21/2017 01:33 PM
2-Chlorotoluene	ND		0.0054	mg/Kg-dry	1	8/21/2017 01:33 PM
2-Hexanone	ND		0.0054	mg/Kg-dry	1	8/21/2017 01:33 PM
4-Chlorotoluene	ND		0.0054	mg/Kg-dry	1	8/21/2017 01:33 PM
4-Methyl-2-pentanone	ND		0.0054	mg/Kg-dry	1	8/21/2017 01:33 PM
Acetone	ND		0.054	mg/Kg-dry	1	8/21/2017 01:33 PM
Benzene	ND		0.0054	mg/Kg-dry	1	8/21/2017 01:33 PM
Bromobenzene	ND		0.0054	mg/Kg-dry	1	8/21/2017 01:33 PM
Bromochloromethane	ND		0.0054	mg/Kg-dry	1	8/21/2017 01:33 PM
Bromodichloromethane	ND		0.0054	mg/Kg-dry	1	8/21/2017 01:33 PM
Bromoform	ND		0.0054	mg/Kg-dry	1	8/21/2017 01:33 PM
Bromomethane	ND		0.0054	mg/Kg-dry	1	8/21/2017 01:33 PM
Carbon disulfide	ND		0.0054	mg/Kg-dry	1	8/21/2017 01:33 PM
Carbon tetrachloride	ND		0.0054	mg/Kg-dry	1	8/21/2017 01:33 PM
Chlorobenzene	ND		0.0054	mg/Kg-dry	1	8/21/2017 01:33 PM
Chloroethane	ND		0.0054	mg/Kg-dry	1	8/21/2017 01:33 PM
Chloroform	ND		0.0054	mg/Kg-dry	1	8/21/2017 01:33 PM
Chloromethane	ND		0.0054	mg/Kg-dry	1	8/21/2017 01:33 PM
cis-1,2-Dichloroethene	ND		0.0054	mg/Kg-dry	1	8/21/2017 01:33 PM
cis-1,3-Dichloropropene	ND		0.0054	mg/Kg-dry	1	8/21/2017 01:33 PM
Dibromochloromethane	ND		0.0054	mg/Kg-dry	1	8/21/2017 01:33 PM
Dibromomethane	ND		0.0054	mg/Kg-dry	1	8/21/2017 01:33 PM

Note:

ALS Environmental**Date:** 22-Aug-17

Client: MAKSolve, LLC
Project: Electro-Polish; 068-17; 529 Hunter Ave Dayton **Work Order:** 1708514
Sample ID: SB7 0-2 **Lab ID:** 1708514-10
Collection Date: 8/11/2017 05:15 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Dichlorodifluoromethane	ND		0.0054	mg/Kg-dry	1	8/21/2017 01:33 PM
Ethylbenzene	ND		0.0054	mg/Kg-dry	1	8/21/2017 01:33 PM
Hexachlorobutadiene	ND		0.0054	mg/Kg-dry	1	8/21/2017 01:33 PM
Isopropylbenzene	ND		0.0054	mg/Kg-dry	1	8/21/2017 01:33 PM
m,p-Xylene	ND		0.0054	mg/Kg-dry	1	8/21/2017 01:33 PM
Methyl tert-butyl ether	ND		0.0054	mg/Kg-dry	1	8/21/2017 01:33 PM
Methylene chloride	ND		0.022	mg/Kg-dry	1	8/21/2017 01:33 PM
Naphthalene	ND		0.0054	mg/Kg-dry	1	8/21/2017 01:33 PM
n-Butylbenzene	ND		0.0054	mg/Kg-dry	1	8/21/2017 01:33 PM
n-Propylbenzene	ND		0.0054	mg/Kg-dry	1	8/21/2017 01:33 PM
o-Xylene	ND		0.0054	mg/Kg-dry	1	8/21/2017 01:33 PM
p-Isopropyltoluene	ND		0.0054	mg/Kg-dry	1	8/21/2017 01:33 PM
sec-Butylbenzene	ND		0.0054	mg/Kg-dry	1	8/21/2017 01:33 PM
Styrene	ND		0.0054	mg/Kg-dry	1	8/21/2017 01:33 PM
tert-Butylbenzene	ND		0.0054	mg/Kg-dry	1	8/21/2017 01:33 PM
Tetrachloroethene	ND		0.0054	mg/Kg-dry	1	8/21/2017 01:33 PM
Toluene	ND		0.0054	mg/Kg-dry	1	8/21/2017 01:33 PM
trans-1,2-Dichloroethene	ND		0.0054	mg/Kg-dry	1	8/21/2017 01:33 PM
trans-1,3-Dichloropropene	ND		0.0054	mg/Kg-dry	1	8/21/2017 01:33 PM
Trichloroethene	ND		0.0054	mg/Kg-dry	1	8/21/2017 01:33 PM
Trichlorofluoromethane	ND		0.0054	mg/Kg-dry	1	8/21/2017 01:33 PM
Vinyl chloride	ND		0.0054	mg/Kg-dry	1	8/21/2017 01:33 PM
Xylenes, Total	ND		0.011	mg/Kg-dry	1	8/21/2017 01:33 PM
<i>Surr: 4-Bromofluorobenzene</i>	96.5		62.7-159	%REC	1	8/21/2017 01:33 PM
<i>Surr: Dibromofluoromethane</i>	105		67.3-136	%REC	1	8/21/2017 01:33 PM
<i>Surr: Toluene-d8</i>	98.0		83-124	%REC	1	8/21/2017 01:33 PM

Note:

ALS Environmental

Date: 22-Aug-17

Client: MAKSolve, LLC
Project: Electro-Polish; 068-17; 529 Hunter Ave Dayton
Sample ID: 068-VS-1
Collection Date: 8/11/2017 09:30 AM

Work Order: 1708514
Lab ID: 1708514-11
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
TO-15 BY GC/MS						
1,1,1-Trichloroethane	63		5.0	ppbv	10	Analyst: MRJ 8/16/2017 10:24 PM
1,1,2,2-Tetrachloroethane	ND		5.0	ppbv	10	8/16/2017 10:24 PM
1,1,2-Trichloroethane	ND		5.0	ppbv	10	8/16/2017 10:24 PM
1,1-Dichloroethane	ND		5.0	ppbv	10	8/16/2017 10:24 PM
1,1-Dichloroethene	ND		5.0	ppbv	10	8/16/2017 10:24 PM
1,2,4-Trichlorobenzene	ND		5.0	ppbv	10	8/16/2017 10:24 PM
1,2,4-Trimethylbenzene	7.8		5.0	ppbv	10	8/16/2017 10:24 PM
1,2-Dibromoethane	ND		5.0	ppbv	10	8/16/2017 10:24 PM
1,2-Dichlorobenzene	ND		5.0	ppbv	10	8/16/2017 10:24 PM
1,2-Dichloroethane	ND		5.0	ppbv	10	8/16/2017 10:24 PM
1,2-Dichloropropane	ND		5.0	ppbv	10	8/16/2017 10:24 PM
1,3,5-Trimethylbenzene	ND		5.0	ppbv	10	8/16/2017 10:24 PM
1,3-Butadiene	ND		5.0	ppbv	10	8/16/2017 10:24 PM
1,3-Dichlorobenzene	ND		5.0	ppbv	10	8/16/2017 10:24 PM
1,4-Dichlorobenzene	ND		5.0	ppbv	10	8/16/2017 10:24 PM
1,4-Dioxane	ND		10	ppbv	10	8/16/2017 10:24 PM
2-Butanone	14		5.0	ppbv	10	8/16/2017 10:24 PM
2-Hexanone	ND		5.0	ppbv	10	8/16/2017 10:24 PM
2-Propanol	ND		10	ppbv	10	8/16/2017 10:24 PM
4-Ethyltoluene	ND		5.0	ppbv	10	8/16/2017 10:24 PM
4-Methyl-2-pentanone	ND		5.0	ppbv	10	8/16/2017 10:24 PM
Acetone	150		10	ppbv	10	8/16/2017 10:24 PM
Benzene	ND		5.0	ppbv	10	8/16/2017 10:24 PM
Benzyl chloride	ND		5.0	ppbv	10	8/16/2017 10:24 PM
Bromodichloromethane	ND		5.0	ppbv	10	8/16/2017 10:24 PM
Bromoform	ND		5.0	ppbv	10	8/16/2017 10:24 PM
Bromomethane	ND		5.0	ppbv	10	8/16/2017 10:24 PM
Carbon disulfide	ND		5.0	ppbv	10	8/16/2017 10:24 PM
Carbon tetrachloride	ND		5.0	ppbv	10	8/16/2017 10:24 PM
Chlorobenzene	ND		5.0	ppbv	10	8/16/2017 10:24 PM
Chloroethane	ND		5.0	ppbv	10	8/16/2017 10:24 PM
Chloroform	ND		2.0	ppbv	10	8/16/2017 10:24 PM
Chloromethane	ND		5.0	ppbv	10	8/16/2017 10:24 PM
cis-1,2-Dichloroethene	ND		5.0	ppbv	10	8/16/2017 10:24 PM
cis-1,3-Dichloropropene	ND		5.0	ppbv	10	8/16/2017 10:24 PM
Cumene	ND		5.0	ppbv	10	8/16/2017 10:24 PM
Cyclohexane	ND		5.0	ppbv	10	8/16/2017 10:24 PM
Dibromochloromethane	ND		5.0	ppbv	10	8/16/2017 10:24 PM
Dichlorodifluoromethane	ND		5.0	ppbv	10	8/16/2017 10:24 PM

Note:

ALS Environmental

Date: 22-Aug-17

Client: MAKSolve, LLC
Project: Electro-Polish; 068-17; 529 Hunter Ave Dayton
Sample ID: 068-VS-1
Collection Date: 8/11/2017 09:30 AM

Work Order: 1708514
Lab ID: 1708514-11
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Ethyl acetate	ND		5.0	ppbv	10	8/16/2017 10:24 PM
Ethylbenzene	5.2		5.0	ppbv	10	8/16/2017 10:24 PM
Freon 113	ND		5.0	ppbv	10	8/16/2017 10:24 PM
Freon 114	ND		5.0	ppbv	10	8/16/2017 10:24 PM
Heptane	8.7		5.0	ppbv	10	8/16/2017 10:24 PM
Hexachlorobutadiene	ND		5.0	ppbv	10	8/16/2017 10:24 PM
Hexane	13		5.0	ppbv	10	8/16/2017 10:24 PM
m,p-Xylene	6.8		5.0	ppbv	10	8/16/2017 10:24 PM
Methylene chloride	ND		5.0	ppbv	10	8/16/2017 10:24 PM
MTBE	ND		5.0	ppbv	10	8/16/2017 10:24 PM
Naphthalene	3.7		2.0	ppbv	10	8/16/2017 10:24 PM
o-Xylene	ND		5.0	ppbv	10	8/16/2017 10:24 PM
Propene	ND		5.0	ppbv	10	8/16/2017 10:24 PM
Styrene	ND		5.0	ppbv	10	8/16/2017 10:24 PM
Tetrachloroethene	32		5.0	ppbv	10	8/16/2017 10:24 PM
Tetrahydrofuran	ND		5.0	ppbv	10	8/16/2017 10:24 PM
Toluene	11		5.0	ppbv	10	8/16/2017 10:24 PM
trans-1,2-Dichloroethene	ND		5.0	ppbv	10	8/16/2017 10:24 PM
trans-1,3-Dichloropropene	ND		5.0	ppbv	10	8/16/2017 10:24 PM
Trichloroethene	970		16	ppbv	80	8/17/2017 10:19 AM
Trichlorofluoromethane	ND		5.0	ppbv	10	8/16/2017 10:24 PM
Vinyl acetate	ND		5.0	ppbv	10	8/16/2017 10:24 PM
Vinyl chloride	ND		5.0	ppbv	10	8/16/2017 10:24 PM
Surr: Bromofluorobenzene	98.0		60-140	%REC	10	8/16/2017 10:24 PM
TO-15 BY GC/MS						
			ETO-15			Analyst: MRJ
1,1,1-Trichloroethane	345		27.3	µg/m3	10	8/16/2017 10:24 PM
1,1,2,2-Tetrachloroethane	ND		34.3	µg/m3	10	8/16/2017 10:24 PM
1,1,2-Trichloroethane	ND		27.3	µg/m3	10	8/16/2017 10:24 PM
1,1-Dichloroethane	ND		20.2	µg/m3	10	8/16/2017 10:24 PM
1,1-Dichloroethene	ND		19.8	µg/m3	10	8/16/2017 10:24 PM
1,2,4-Trichlorobenzene	ND		37.1	µg/m3	10	8/16/2017 10:24 PM
1,2,4-Trimethylbenzene	38.3		24.6	µg/m3	10	8/16/2017 10:24 PM
1,2-Dibromoethane	ND		38.4	µg/m3	10	8/16/2017 10:24 PM
1,2-Dichlorobenzene	ND		30.1	µg/m3	10	8/16/2017 10:24 PM
1,2-Dichloroethane	ND		20.2	µg/m3	10	8/16/2017 10:24 PM
1,2-Dichloropropane	ND		23.1	µg/m3	10	8/16/2017 10:24 PM
1,3,5-Trimethylbenzene	ND		24.6	µg/m3	10	8/16/2017 10:24 PM
1,3-Butadiene	ND		11.1	µg/m3	10	8/16/2017 10:24 PM
1,3-Dichlorobenzene	ND		30.1	µg/m3	10	8/16/2017 10:24 PM
1,4-Dichlorobenzene	ND		30.1	µg/m3	10	8/16/2017 10:24 PM

Note:

ALS Environmental

Date: 22-Aug-17

Client: MAKSolve, LLC
Project: Electro-Polish; 068-17; 529 Hunter Ave Dayton
Sample ID: 068-VS-1
Collection Date: 8/11/2017 09:30 AM

Work Order: 1708514
Lab ID: 1708514-11
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,4-Dioxane	ND		36.0	µg/m3	10	8/16/2017 10:24 PM
2-Butanone	40.1		14.7	µg/m3	10	8/16/2017 10:24 PM
2-Hexanone	ND		20.5	µg/m3	10	8/16/2017 10:24 PM
2-Propanol	ND		24.6	µg/m3	10	8/16/2017 10:24 PM
4-Ethyltoluene	ND		24.6	µg/m3	10	8/16/2017 10:24 PM
4-Methyl-2-pentanone	ND		20.5	µg/m3	10	8/16/2017 10:24 PM
Acetone	362		23.8	µg/m3	10	8/16/2017 10:24 PM
Benzene	ND		16.0	µg/m3	10	8/16/2017 10:24 PM
Benzyl chloride	ND		25.9	µg/m3	10	8/16/2017 10:24 PM
Bromodichloromethane	ND		33.5	µg/m3	10	8/16/2017 10:24 PM
Bromoform	ND		51.7	µg/m3	10	8/16/2017 10:24 PM
Bromomethane	ND		19.4	µg/m3	10	8/16/2017 10:24 PM
Carbon disulfide	ND		15.6	µg/m3	10	8/16/2017 10:24 PM
Carbon tetrachloride	ND		31.5	µg/m3	10	8/16/2017 10:24 PM
Chlorobenzene	ND		23.0	µg/m3	10	8/16/2017 10:24 PM
Chloroethane	ND		13.2	µg/m3	10	8/16/2017 10:24 PM
Chloroform	ND		9.76	µg/m3	10	8/16/2017 10:24 PM
Chloromethane	ND		10.3	µg/m3	10	8/16/2017 10:24 PM
cis-1,2-Dichloroethene	ND		19.8	µg/m3	10	8/16/2017 10:24 PM
cis-1,3-Dichloropropene	ND		22.7	µg/m3	10	8/16/2017 10:24 PM
Cumene	ND		24.6	µg/m3	10	8/16/2017 10:24 PM
Cyclohexane	ND		17.2	µg/m3	10	8/16/2017 10:24 PM
Dibromochloromethane	ND		42.6	µg/m3	10	8/16/2017 10:24 PM
Dichlorodifluoromethane	ND		24.7	µg/m3	10	8/16/2017 10:24 PM
Ethyl acetate	ND		18.0	µg/m3	10	8/16/2017 10:24 PM
Ethylbenzene	22.6		21.7	µg/m3	10	8/16/2017 10:24 PM
Freon 113	ND		38.3	µg/m3	10	8/16/2017 10:24 PM
Freon 114	ND		35.0	µg/m3	10	8/16/2017 10:24 PM
Heptane	35.7		20.5	µg/m3	10	8/16/2017 10:24 PM
Hexachlorobutadiene	ND		53.3	µg/m3	10	8/16/2017 10:24 PM
Hexane	46.5		17.6	µg/m3	10	8/16/2017 10:24 PM
m,p-Xylene	29.5		21.7	µg/m3	10	8/16/2017 10:24 PM
Methylene chloride	ND		17.4	µg/m3	10	8/16/2017 10:24 PM
MTBE	ND		18.0	µg/m3	10	8/16/2017 10:24 PM
Naphthalene	19.4		10.5	µg/m3	10	8/16/2017 10:24 PM
o-Xylene	ND		21.7	µg/m3	10	8/16/2017 10:24 PM
Propene	ND		8.61	µg/m3	10	8/16/2017 10:24 PM
Styrene	ND		21.3	µg/m3	10	8/16/2017 10:24 PM
Tetrachloroethene	219		33.9	µg/m3	10	8/16/2017 10:24 PM
Tetrahydrofuran	ND		14.7	µg/m3	10	8/16/2017 10:24 PM

Note:

ALS Environmental**Date:** 22-Aug-17

Client: MAKSolve, LLC
Project: Electro-Polish; 068-17; 529 Hunter Ave Dayton **Work Order:** 1708514
Sample ID: 068-VS-1 **Lab ID:** 1708514-11
Collection Date: 8/11/2017 09:30 AM **Matrix:** AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Toluene	40.7		18.8	µg/m3	10	8/16/2017 10:24 PM
trans-1,2-Dichloroethene	ND		19.8	µg/m3	10	8/16/2017 10:24 PM
trans-1,3-Dichloropropene	ND		22.7	µg/m3	10	8/16/2017 10:24 PM
Trichloroethene	5,210		86.0	µg/m3	80	8/17/2017 10:19 AM
Trichlorofluoromethane	ND		28.1	µg/m3	10	8/16/2017 10:24 PM
Vinyl acetate	ND		17.6	µg/m3	10	8/16/2017 10:24 PM
Vinyl chloride	ND		12.8	µg/m3	10	8/16/2017 10:24 PM
Surr: Bromofluorobenzene	98.0		60-140	%REC	10	8/16/2017 10:24 PM

Note:

ALS Environmental

Date: 22-Aug-17

Client: MAKSolve, LLC
Project: Electro-Polish; 068-17; 529 Hunter Ave Dayton
Sample ID: 068-VS-2
Collection Date: 8/11/2017 10:30 AM

Work Order: 1708514
Lab ID: 1708514-12
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
TO-15 BY GC/MS						
1,1,1-Trichloroethane	ND		5.0	ppbv	10	8/16/2017 11:09 PM
1,1,2,2-Tetrachloroethane	ND		5.0	ppbv	10	8/16/2017 11:09 PM
1,1,2-Trichloroethane	ND		5.0	ppbv	10	8/16/2017 11:09 PM
1,1-Dichloroethane	ND		5.0	ppbv	10	8/16/2017 11:09 PM
1,1-Dichloroethene	ND		5.0	ppbv	10	8/16/2017 11:09 PM
1,2,4-Trichlorobenzene	ND		5.0	ppbv	10	8/16/2017 11:09 PM
1,2,4-Trimethylbenzene	7.8		5.0	ppbv	10	8/16/2017 11:09 PM
1,2-Dibromoethane	ND		5.0	ppbv	10	8/16/2017 11:09 PM
1,2-Dichlorobenzene	ND		5.0	ppbv	10	8/16/2017 11:09 PM
1,2-Dichloroethane	ND		5.0	ppbv	10	8/16/2017 11:09 PM
1,2-Dichloropropane	ND		5.0	ppbv	10	8/16/2017 11:09 PM
1,3,5-Trimethylbenzene	ND		5.0	ppbv	10	8/16/2017 11:09 PM
1,3-Butadiene	ND		5.0	ppbv	10	8/16/2017 11:09 PM
1,3-Dichlorobenzene	ND		5.0	ppbv	10	8/16/2017 11:09 PM
1,4-Dichlorobenzene	ND		5.0	ppbv	10	8/16/2017 11:09 PM
1,4-Dioxane	ND		10	ppbv	10	8/16/2017 11:09 PM
2-Butanone	5.3		5.0	ppbv	10	8/16/2017 11:09 PM
2-Hexanone	ND		5.0	ppbv	10	8/16/2017 11:09 PM
2-Propanol	ND		10	ppbv	10	8/16/2017 11:09 PM
4-Ethyltoluene	ND		5.0	ppbv	10	8/16/2017 11:09 PM
4-Methyl-2-pentanone	ND		5.0	ppbv	10	8/16/2017 11:09 PM
Acetone	39		10	ppbv	10	8/16/2017 11:09 PM
Benzene	7.6		5.0	ppbv	10	8/16/2017 11:09 PM
Benzyl chloride	ND		5.0	ppbv	10	8/16/2017 11:09 PM
Bromodichloromethane	ND		5.0	ppbv	10	8/16/2017 11:09 PM
Bromoform	ND		5.0	ppbv	10	8/16/2017 11:09 PM
Bromomethane	ND		5.0	ppbv	10	8/16/2017 11:09 PM
Carbon disulfide	ND		5.0	ppbv	10	8/16/2017 11:09 PM
Carbon tetrachloride	ND		5.0	ppbv	10	8/16/2017 11:09 PM
Chlorobenzene	ND		5.0	ppbv	10	8/16/2017 11:09 PM
Chloroethane	ND		5.0	ppbv	10	8/16/2017 11:09 PM
Chloroform	ND		2.0	ppbv	10	8/16/2017 11:09 PM
Chloromethane	ND		5.0	ppbv	10	8/16/2017 11:09 PM
cis-1,2-Dichloroethene	ND		5.0	ppbv	10	8/16/2017 11:09 PM
cis-1,3-Dichloropropene	ND		5.0	ppbv	10	8/16/2017 11:09 PM
Cumene	ND		5.0	ppbv	10	8/16/2017 11:09 PM
Cyclohexane	16		5.0	ppbv	10	8/16/2017 11:09 PM
Dibromochloromethane	ND		5.0	ppbv	10	8/16/2017 11:09 PM
Dichlorodifluoromethane	ND		5.0	ppbv	10	8/16/2017 11:09 PM

Note:

ALS Environmental

Date: 22-Aug-17

Client: MAKSolve, LLC
Project: Electro-Polish; 068-17; 529 Hunter Ave Dayton
Sample ID: 068-VS-2
Collection Date: 8/11/2017 10:30 AM

Work Order: 1708514
Lab ID: 1708514-12
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Ethyl acetate	ND		5.0	ppbv	10	8/16/2017 11:09 PM
Ethylbenzene	9.6		5.0	ppbv	10	8/16/2017 11:09 PM
Freon 113	ND		5.0	ppbv	10	8/16/2017 11:09 PM
Freon 114	ND		5.0	ppbv	10	8/16/2017 11:09 PM
Heptane	27		5.0	ppbv	10	8/16/2017 11:09 PM
Hexachlorobutadiene	ND		5.0	ppbv	10	8/16/2017 11:09 PM
Hexane	46		5.0	ppbv	10	8/16/2017 11:09 PM
m,p-Xylene	19		5.0	ppbv	10	8/16/2017 11:09 PM
Methylene chloride	10		5.0	ppbv	10	8/16/2017 11:09 PM
MTBE	ND		5.0	ppbv	10	8/16/2017 11:09 PM
Naphthalene	13		2.0	ppbv	10	8/16/2017 11:09 PM
o-Xylene	9.7		5.0	ppbv	10	8/16/2017 11:09 PM
Propene	ND		5.0	ppbv	10	8/16/2017 11:09 PM
Styrene	ND		5.0	ppbv	10	8/16/2017 11:09 PM
Tetrachloroethene	49		5.0	ppbv	10	8/16/2017 11:09 PM
Tetrahydrofuran	ND		5.0	ppbv	10	8/16/2017 11:09 PM
Toluene	23		5.0	ppbv	10	8/16/2017 11:09 PM
trans-1,2-Dichloroethene	ND		5.0	ppbv	10	8/16/2017 11:09 PM
trans-1,3-Dichloropropene	ND		5.0	ppbv	10	8/16/2017 11:09 PM
Trichloroethene	550		16	ppbv	80	8/17/2017 11:04 AM
Trichlorofluoromethane	ND		5.0	ppbv	10	8/16/2017 11:09 PM
Vinyl acetate	ND		5.0	ppbv	10	8/16/2017 11:09 PM
Vinyl chloride	ND		5.0	ppbv	10	8/16/2017 11:09 PM
Surr: Bromofluorobenzene	97.8		60-140	%REC	10	8/16/2017 11:09 PM
TO-15 BY GC/MS						
			ETO-15			Analyst: MRJ
1,1,1-Trichloroethane	ND		27.3	µg/m3	10	8/16/2017 11:09 PM
1,1,2,2-Tetrachloroethane	ND		34.3	µg/m3	10	8/16/2017 11:09 PM
1,1,2-Trichloroethane	ND		27.3	µg/m3	10	8/16/2017 11:09 PM
1,1-Dichloroethane	ND		20.2	µg/m3	10	8/16/2017 11:09 PM
1,1-Dichloroethene	ND		19.8	µg/m3	10	8/16/2017 11:09 PM
1,2,4-Trichlorobenzene	ND		37.1	µg/m3	10	8/16/2017 11:09 PM
1,2,4-Trimethylbenzene	38.3		24.6	µg/m3	10	8/16/2017 11:09 PM
1,2-Dibromoethane	ND		38.4	µg/m3	10	8/16/2017 11:09 PM
1,2-Dichlorobenzene	ND		30.1	µg/m3	10	8/16/2017 11:09 PM
1,2-Dichloroethane	ND		20.2	µg/m3	10	8/16/2017 11:09 PM
1,2-Dichloropropane	ND		23.1	µg/m3	10	8/16/2017 11:09 PM
1,3,5-Trimethylbenzene	ND		24.6	µg/m3	10	8/16/2017 11:09 PM
1,3-Butadiene	ND		11.1	µg/m3	10	8/16/2017 11:09 PM
1,3-Dichlorobenzene	ND		30.1	µg/m3	10	8/16/2017 11:09 PM
1,4-Dichlorobenzene	ND		30.1	µg/m3	10	8/16/2017 11:09 PM

Note:

ALS Environmental

Date: 22-Aug-17

Client: MAKSolve, LLC
Project: Electro-Polish; 068-17; 529 Hunter Ave Dayton
Sample ID: 068-VS-2
Collection Date: 8/11/2017 10:30 AM

Work Order: 1708514
Lab ID: 1708514-12
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,4-Dioxane	ND		36.0	µg/m3	10	8/16/2017 11:09 PM
2-Butanone	15.6		14.7	µg/m3	10	8/16/2017 11:09 PM
2-Hexanone	ND		20.5	µg/m3	10	8/16/2017 11:09 PM
2-Propanol	ND		24.6	µg/m3	10	8/16/2017 11:09 PM
4-Ethyltoluene	ND		24.6	µg/m3	10	8/16/2017 11:09 PM
4-Methyl-2-pentanone	ND		20.5	µg/m3	10	8/16/2017 11:09 PM
Acetone	93.4		23.8	µg/m3	10	8/16/2017 11:09 PM
Benzene	24.3		16.0	µg/m3	10	8/16/2017 11:09 PM
Benzyl chloride	ND		25.9	µg/m3	10	8/16/2017 11:09 PM
Bromodichloromethane	ND		33.5	µg/m3	10	8/16/2017 11:09 PM
Bromoform	ND		51.7	µg/m3	10	8/16/2017 11:09 PM
Bromomethane	ND		19.4	µg/m3	10	8/16/2017 11:09 PM
Carbon disulfide	ND		15.6	µg/m3	10	8/16/2017 11:09 PM
Carbon tetrachloride	ND		31.5	µg/m3	10	8/16/2017 11:09 PM
Chlorobenzene	ND		23.0	µg/m3	10	8/16/2017 11:09 PM
Chloroethane	ND		13.2	µg/m3	10	8/16/2017 11:09 PM
Chloroform	ND		9.76	µg/m3	10	8/16/2017 11:09 PM
Chloromethane	ND		10.3	µg/m3	10	8/16/2017 11:09 PM
cis-1,2-Dichloroethene	ND		19.8	µg/m3	10	8/16/2017 11:09 PM
cis-1,3-Dichloropropene	ND		22.7	µg/m3	10	8/16/2017 11:09 PM
Cumene	ND		24.6	µg/m3	10	8/16/2017 11:09 PM
Cyclohexane	56.5		17.2	µg/m3	10	8/16/2017 11:09 PM
Dibromochloromethane	ND		42.6	µg/m3	10	8/16/2017 11:09 PM
Dichlorodifluoromethane	ND		24.7	µg/m3	10	8/16/2017 11:09 PM
Ethyl acetate	ND		18.0	µg/m3	10	8/16/2017 11:09 PM
Ethylbenzene	41.7		21.7	µg/m3	10	8/16/2017 11:09 PM
Freon 113	ND		38.3	µg/m3	10	8/16/2017 11:09 PM
Freon 114	ND		35.0	µg/m3	10	8/16/2017 11:09 PM
Heptane	111		20.5	µg/m3	10	8/16/2017 11:09 PM
Hexachlorobutadiene	ND		53.3	µg/m3	10	8/16/2017 11:09 PM
Hexane	163		17.6	µg/m3	10	8/16/2017 11:09 PM
m,p-Xylene	82.5		21.7	µg/m3	10	8/16/2017 11:09 PM
Methylene chloride	35.1		17.4	µg/m3	10	8/16/2017 11:09 PM
MTBE	ND		18.0	µg/m3	10	8/16/2017 11:09 PM
Naphthalene	66.1		10.5	µg/m3	10	8/16/2017 11:09 PM
o-Xylene	42.1		21.7	µg/m3	10	8/16/2017 11:09 PM
Propene	ND		8.61	µg/m3	10	8/16/2017 11:09 PM
Styrene	ND		21.3	µg/m3	10	8/16/2017 11:09 PM
Tetrachloroethene	330		33.9	µg/m3	10	8/16/2017 11:09 PM
Tetrahydrofuran	ND		14.7	µg/m3	10	8/16/2017 11:09 PM

Note:

ALS Environmental**Date:** 22-Aug-17

Client: MAKSolve, LLC
Project: Electro-Polish; 068-17; 529 Hunter Ave Dayton **Work Order:** 1708514
Sample ID: 068-VS-2 **Lab ID:** 1708514-12
Collection Date: 8/11/2017 10:30 AM **Matrix:** AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Toluene	85.9		18.8	µg/m3	10	8/16/2017 11:09 PM
trans-1,2-Dichloroethene	ND		19.8	µg/m3	10	8/16/2017 11:09 PM
trans-1,3-Dichloropropene	ND		22.7	µg/m3	10	8/16/2017 11:09 PM
Trichloroethene	2,940		86.0	µg/m3	80	8/17/2017 11:04 AM
Trichlorofluoromethane	ND		28.1	µg/m3	10	8/16/2017 11:09 PM
Vinyl acetate	ND		17.6	µg/m3	10	8/16/2017 11:09 PM
Vinyl chloride	ND		12.8	µg/m3	10	8/16/2017 11:09 PM
Surr: Bromofluorobenzene	97.8		60-140	%REC	10	8/16/2017 11:09 PM

Note:

ALS Environmental

Date: 22-Aug-17

Client: MAKSolve, LLC
Project: Electro-Polish; 068-17; 529 Hunter Ave Dayton
Sample ID: 068-VS-3
Collection Date: 8/11/2017 11:30 AM

Work Order: 1708514
Lab ID: 1708514-13
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
TO-15 BY GC/MS						
1,1,1-Trichloroethane	26		5.0	ppbv	10	Analyst: MRJ 8/16/2017 11:55 PM
1,1,2,2-Tetrachloroethane	ND		5.0	ppbv	10	8/16/2017 11:55 PM
1,1,2-Trichloroethane	ND		5.0	ppbv	10	8/16/2017 11:55 PM
1,1-Dichloroethane	ND		5.0	ppbv	10	8/16/2017 11:55 PM
1,1-Dichloroethene	ND		5.0	ppbv	10	8/16/2017 11:55 PM
1,2,4-Trichlorobenzene	ND		5.0	ppbv	10	8/16/2017 11:55 PM
1,2,4-Trimethylbenzene	78		5.0	ppbv	10	8/16/2017 11:55 PM
1,2-Dibromoethane	ND		5.0	ppbv	10	8/16/2017 11:55 PM
1,2-Dichlorobenzene	ND		5.0	ppbv	10	8/16/2017 11:55 PM
1,2-Dichloroethane	ND		5.0	ppbv	10	8/16/2017 11:55 PM
1,2-Dichloropropane	ND		5.0	ppbv	10	8/16/2017 11:55 PM
1,3,5-Trimethylbenzene	16		5.0	ppbv	10	8/16/2017 11:55 PM
1,3-Butadiene	ND		5.0	ppbv	10	8/16/2017 11:55 PM
1,3-Dichlorobenzene	ND		5.0	ppbv	10	8/16/2017 11:55 PM
1,4-Dichlorobenzene	ND		5.0	ppbv	10	8/16/2017 11:55 PM
1,4-Dioxane	ND		10	ppbv	10	8/16/2017 11:55 PM
2-Butanone	38		5.0	ppbv	10	8/16/2017 11:55 PM
2-Hexanone	ND		5.0	ppbv	10	8/16/2017 11:55 PM
2-Propanol	ND		10	ppbv	10	8/16/2017 11:55 PM
4-Ethyltoluene	10		5.0	ppbv	10	8/16/2017 11:55 PM
4-Methyl-2-pentanone	ND		5.0	ppbv	10	8/16/2017 11:55 PM
Acetone	380		80	ppbv	80	8/17/2017 11:50 AM
Benzene	40		5.0	ppbv	10	8/16/2017 11:55 PM
Benzyl chloride	ND		5.0	ppbv	10	8/16/2017 11:55 PM
Bromodichloromethane	ND		5.0	ppbv	10	8/16/2017 11:55 PM
Bromoform	ND		5.0	ppbv	10	8/16/2017 11:55 PM
Bromomethane	ND		5.0	ppbv	10	8/16/2017 11:55 PM
Carbon disulfide	ND		5.0	ppbv	10	8/16/2017 11:55 PM
Carbon tetrachloride	ND		5.0	ppbv	10	8/16/2017 11:55 PM
Chlorobenzene	ND		5.0	ppbv	10	8/16/2017 11:55 PM
Chloroethane	ND		5.0	ppbv	10	8/16/2017 11:55 PM
Chloroform	ND		2.0	ppbv	10	8/16/2017 11:55 PM
Chloromethane	ND		5.0	ppbv	10	8/16/2017 11:55 PM
cis-1,2-Dichloroethene	ND		5.0	ppbv	10	8/16/2017 11:55 PM
cis-1,3-Dichloropropene	ND		5.0	ppbv	10	8/16/2017 11:55 PM
Cumene	7.2		5.0	ppbv	10	8/16/2017 11:55 PM
Cyclohexane	40		5.0	ppbv	10	8/16/2017 11:55 PM
Dibromochloromethane	ND		5.0	ppbv	10	8/16/2017 11:55 PM
Dichlorodifluoromethane	ND		5.0	ppbv	10	8/16/2017 11:55 PM

Note:

ALS Environmental

Date: 22-Aug-17

Client: MAKSolve, LLC
Project: Electro-Polish; 068-17; 529 Hunter Ave Dayton
Sample ID: 068-VS-3
Collection Date: 8/11/2017 11:30 AM

Work Order: 1708514
Lab ID: 1708514-13
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Ethyl acetate	ND		5.0	ppbv	10	8/16/2017 11:55 PM
Ethylbenzene	90		5.0	ppbv	10	8/16/2017 11:55 PM
Freon 113	ND		5.0	ppbv	10	8/16/2017 11:55 PM
Freon 114	ND		5.0	ppbv	10	8/16/2017 11:55 PM
Heptane	110		5.0	ppbv	10	8/16/2017 11:55 PM
Hexachlorobutadiene	ND		5.0	ppbv	10	8/16/2017 11:55 PM
Hexane	160		5.0	ppbv	10	8/16/2017 11:55 PM
m,p-Xylene	85		5.0	ppbv	10	8/16/2017 11:55 PM
Methylene chloride	ND		5.0	ppbv	10	8/16/2017 11:55 PM
MTBE	ND		5.0	ppbv	10	8/16/2017 11:55 PM
Naphthalene	18		2.0	ppbv	10	8/16/2017 11:55 PM
o-Xylene	44		5.0	ppbv	10	8/16/2017 11:55 PM
Propene	ND		5.0	ppbv	10	8/16/2017 11:55 PM
Styrene	ND		5.0	ppbv	10	8/16/2017 11:55 PM
Tetrachloroethene	90		5.0	ppbv	10	8/16/2017 11:55 PM
Tetrahydrofuran	ND		5.0	ppbv	10	8/16/2017 11:55 PM
Toluene	160		5.0	ppbv	10	8/16/2017 11:55 PM
trans-1,2-Dichloroethene	ND		5.0	ppbv	10	8/16/2017 11:55 PM
trans-1,3-Dichloropropene	ND		5.0	ppbv	10	8/16/2017 11:55 PM
Trichloroethene	460		16	ppbv	80	8/17/2017 11:50 AM
Trichlorofluoromethane	ND		5.0	ppbv	10	8/16/2017 11:55 PM
Vinyl acetate	ND		5.0	ppbv	10	8/16/2017 11:55 PM
Vinyl chloride	ND		5.0	ppbv	10	8/16/2017 11:55 PM
Surr: Bromofluorobenzene	100		60-140	%REC	10	8/16/2017 11:55 PM
TO-15 BY GC/MS						
			ETO-15			Analyst: MRJ
1,1,1-Trichloroethane	142		27.3	µg/m³	10	8/16/2017 11:55 PM
1,1,2,2-Tetrachloroethane	ND		34.3	µg/m³	10	8/16/2017 11:55 PM
1,1,2-Trichloroethane	ND		27.3	µg/m³	10	8/16/2017 11:55 PM
1,1-Dichloroethane	ND		20.2	µg/m³	10	8/16/2017 11:55 PM
1,1-Dichloroethene	ND		19.8	µg/m³	10	8/16/2017 11:55 PM
1,2,4-Trichlorobenzene	ND		37.1	µg/m³	10	8/16/2017 11:55 PM
1,2,4-Trimethylbenzene	384		24.6	µg/m³	10	8/16/2017 11:55 PM
1,2-Dibromoethane	ND		38.4	µg/m³	10	8/16/2017 11:55 PM
1,2-Dichlorobenzene	ND		30.1	µg/m³	10	8/16/2017 11:55 PM
1,2-Dichloroethane	ND		20.2	µg/m³	10	8/16/2017 11:55 PM
1,2-Dichloropropane	ND		23.1	µg/m³	10	8/16/2017 11:55 PM
1,3,5-Trimethylbenzene	79.1		24.6	µg/m³	10	8/16/2017 11:55 PM
1,3-Butadiene	ND		11.1	µg/m³	10	8/16/2017 11:55 PM
1,3-Dichlorobenzene	ND		30.1	µg/m³	10	8/16/2017 11:55 PM
1,4-Dichlorobenzene	ND		30.1	µg/m³	10	8/16/2017 11:55 PM

Note:

ALS Environmental

Date: 22-Aug-17

Client: MAKSolve, LLC
Project: Electro-Polish; 068-17; 529 Hunter Ave Dayton
Sample ID: 068-VS-3
Collection Date: 8/11/2017 11:30 AM

Work Order: 1708514
Lab ID: 1708514-13
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,4-Dioxane	ND		36.0	µg/m3	10	8/16/2017 11:55 PM
2-Butanone	112		14.7	µg/m3	10	8/16/2017 11:55 PM
2-Hexanone	ND		20.5	µg/m3	10	8/16/2017 11:55 PM
2-Propanol	ND		24.6	µg/m3	10	8/16/2017 11:55 PM
4-Ethyltoluene	51.1		24.6	µg/m3	10	8/16/2017 11:55 PM
4-Methyl-2-pentanone	ND		20.5	µg/m3	10	8/16/2017 11:55 PM
Acetone	906		190	µg/m3	80	8/17/2017 11:50 AM
Benzene	127		16.0	µg/m3	10	8/16/2017 11:55 PM
Benzyl chloride	ND		25.9	µg/m3	10	8/16/2017 11:55 PM
Bromodichloromethane	ND		33.5	µg/m3	10	8/16/2017 11:55 PM
Bromoform	ND		51.7	µg/m3	10	8/16/2017 11:55 PM
Bromomethane	ND		19.4	µg/m3	10	8/16/2017 11:55 PM
Carbon disulfide	ND		15.6	µg/m3	10	8/16/2017 11:55 PM
Carbon tetrachloride	ND		31.5	µg/m3	10	8/16/2017 11:55 PM
Chlorobenzene	ND		23.0	µg/m3	10	8/16/2017 11:55 PM
Chloroethane	ND		13.2	µg/m3	10	8/16/2017 11:55 PM
Chloroform	ND		9.76	µg/m3	10	8/16/2017 11:55 PM
Chloromethane	ND		10.3	µg/m3	10	8/16/2017 11:55 PM
cis-1,2-Dichloroethene	ND		19.8	µg/m3	10	8/16/2017 11:55 PM
cis-1,3-Dichloropropene	ND		22.7	µg/m3	10	8/16/2017 11:55 PM
Cumene	35.4		24.6	µg/m3	10	8/16/2017 11:55 PM
Cyclohexane	138		17.2	µg/m3	10	8/16/2017 11:55 PM
Dibromochloromethane	ND		42.6	µg/m3	10	8/16/2017 11:55 PM
Dichlorodifluoromethane	ND		24.7	µg/m3	10	8/16/2017 11:55 PM
Ethyl acetate	ND		18.0	µg/m3	10	8/16/2017 11:55 PM
Ethylbenzene	391		21.7	µg/m3	10	8/16/2017 11:55 PM
Freon 113	ND		38.3	µg/m3	10	8/16/2017 11:55 PM
Freon 114	ND		35.0	µg/m3	10	8/16/2017 11:55 PM
Heptane	469		20.5	µg/m3	10	8/16/2017 11:55 PM
Hexachlorobutadiene	ND		53.3	µg/m3	10	8/16/2017 11:55 PM
Hexane	563		17.6	µg/m3	10	8/16/2017 11:55 PM
m,p-Xylene	367		21.7	µg/m3	10	8/16/2017 11:55 PM
Methylene chloride	ND		17.4	µg/m3	10	8/16/2017 11:55 PM
MTBE	ND		18.0	µg/m3	10	8/16/2017 11:55 PM
Naphthalene	97.0		10.5	µg/m3	10	8/16/2017 11:55 PM
o-Xylene	192		21.7	µg/m3	10	8/16/2017 11:55 PM
Propene	ND		8.61	µg/m3	10	8/16/2017 11:55 PM
Styrene	ND		21.3	µg/m3	10	8/16/2017 11:55 PM
Tetrachloroethene	607		33.9	µg/m3	10	8/16/2017 11:55 PM
Tetrahydrofuran	ND		14.7	µg/m3	10	8/16/2017 11:55 PM

Note:

ALS Environmental**Date:** 22-Aug-17

Client: MAKSolve, LLC
Project: Electro-Polish; 068-17; 529 Hunter Ave Dayton **Work Order:** 1708514
Sample ID: 068-VS-3 **Lab ID:** 1708514-13
Collection Date: 8/11/2017 11:30 AM **Matrix:** AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Toluene	615		18.8	µg/m3	10	8/16/2017 11:55 PM
trans-1,2-Dichloroethene	ND		19.8	µg/m3	10	8/16/2017 11:55 PM
trans-1,3-Dichloropropene	ND		22.7	µg/m3	10	8/16/2017 11:55 PM
Trichloroethene	2,450		86.0	µg/m3	80	8/17/2017 11:50 AM
Trichlorofluoromethane	ND		28.1	µg/m3	10	8/16/2017 11:55 PM
Vinyl acetate	ND		17.6	µg/m3	10	8/16/2017 11:55 PM
Vinyl chloride	ND		12.8	µg/m3	10	8/16/2017 11:55 PM
Surr: Bromofluorobenzene	100		60-140	%REC	10	8/16/2017 11:55 PM

Note:

Client: MAKSSolve, LLC

QC BATCH REPORT

Work Order: 1708514

Project: Electro-Polish; 068-17; 529 Hunter Ave Dayton

Batch ID: R143757

Instrument ID: VMS4

Method: ETO-15

mblk	Sample ID: MBLK-R143757				Units: ppbv	Analysis Date: 8/16/2017 03:27 PM			
Client ID:		Run ID: VMS4_170816A		SeqNo: 1573546		Prep Date:	DF: 1		
Analyte		Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD Limit Qual
1,1,1-Trichloroethane		ND		0.50					
1,1,2,2-Tetrachloroethane		ND		0.50					
1,1,2-Trichloroethane		ND		0.50					
1,1-Dichloroethane		ND		0.50					
1,1-Dichloroethene		ND		0.50					
1,2,4-Trichlorobenzene		ND		0.50					
1,2,4-Trimethylbenzene		ND		0.50					
1,2-Dibromoethane		ND		0.50					
1,2-Dichlorobenzene		ND		0.50					
1,2-Dichloroethane		ND		0.50					
1,2-Dichloropropane		ND		0.50					
1,3,5-Trimethylbenzene		ND		0.50					
1,3-Butadiene		ND		0.50					
1,3-Dichlorobenzene		ND		0.50					
1,4-Dichlorobenzene		ND		0.50					
1,4-Dioxane		ND		1.0					
2-Butanone		ND		0.50					
2-Hexanone		ND		0.50					
2-Propanol		ND		1.0					
4-Ethyltoluene		ND		0.50					
4-Methyl-2-pentanone		ND		0.50					
Acetone		ND		1.0					
Benzene		ND		0.50					
Benzyl chloride		ND		0.50					
Bromodichloromethane		ND		0.50					
Bromoform		ND		0.50					
Bromomethane		ND		0.50					
Carbon disulfide		ND		0.50					
Carbon tetrachloride		ND		0.50					
Chlorobenzene		ND		0.50					
Chloroethane		ND		0.50					
Chloroform		ND		0.20					
Chloromethane		ND		0.50					
cis-1,2-Dichloroethene		ND		0.50					
cis-1,3-Dichloropropene		ND		0.50					
Cumene		ND		0.50					
Cyclohexane		ND		0.50					
Dibromochloromethane		ND		0.50					
Dichlorodifluoromethane		ND		0.50					
Ethyl acetate		ND		0.50					
Ethylbenzene		ND		0.50					

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: MAKSolve, LLC
Work Order: 1708514
Project: Electro-Polish; 068-17; 529 Hunter Ave Dayton

QC BATCH REPORT

Batch ID: R143757	Instrument ID: VMS4	Method: ETO-15
Freon 113	ND	0.50
Freon 114	ND	0.50
Heptane	ND	0.50
Hexachlorobutadiene	ND	0.50
Hexane	ND	0.50
m,p-Xylene	ND	0.50
Methylene chloride	ND	0.50
MTBE	ND	0.50
Naphthalene	ND	0.20
o-Xylene	ND	0.50
Propene	ND	0.50
Styrene	ND	0.50
Tetrachloroethene	ND	0.50
Tetrahydrofuran	ND	0.50
Toluene	ND	0.50
trans-1,2-Dichloroethene	ND	0.50
trans-1,3-Dichloropropene	ND	0.50
Trichloroethene	ND	0.20
Trichlorofluoromethane	ND	0.50
Vinyl acetate	ND	0.50
Vinyl chloride	ND	0.50
<i>Surr: Bromofluorobenzene</i>	9.59	0 10 0 95.9 60-140 0

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: MAKSolve, LLC
Work Order: 1708514
Project: Electro-Polish; 068-17; 529 Hunter Ave Dayton

QC BATCH REPORT

Batch ID: **R143757** Instrument ID: **VMS4** Method: **ETO-15**

Ics		Sample ID: LCS-R143757			Units: ppbv		Analysis Date: 8/16/2017 02:43 PM			
Client ID:		Run ID: VMS4_170816A			SeqNo: 1573545		Prep Date: DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	9.96	0.50	10	0	99.6	58.8-163	0	0	-	-
1,1,2,2-Tetrachloroethane	9.69	0.50	10	0	96.9	60-140	0	0	-	-
1,1,2-Trichloroethane	9.85	0.50	10	0	98.5	60-140	0	0	-	-
1,1-Dichloroethane	10.05	0.50	10	0	100	60-140	0	0	-	-
1,1-Dichloroethene	10.16	0.50	10	0	102	60-140	0	0	-	-
1,2,4-Trichlorobenzene	10.22	0.50	10	0	102	49.3-150	0	0	-	-
1,2,4-Trimethylbenzene	9.59	0.50	10	0	95.9	50.1-162	0	0	-	-
1,2-Dibromoethane	10.06	0.50	10	0	101	60-140	0	0	-	-
1,2-Dichlorobenzene	9.63	0.50	10	0	96.3	41.9-141	0	0	-	-
1,2-Dichloroethane	10.19	0.50	10	0	102	60-140	0	0	-	-
1,2-Dichloropropane	9.95	0.50	10	0	99.5	60-140	0	0	-	-
1,3,5-Trimethylbenzene	9.6	0.50	10	0	96	60-140	0	0	-	-
1,3-Butadiene	10.19	0.50	10	0	102	50.6-140	0	0	-	-
1,3-Dichlorobenzene	9.43	0.50	10	0	94.3	60-140	0	0	-	-
1,4-Dichlorobenzene	9.48	0.50	10	0	94.8	55.1-145	0	0	-	-
1,4-Dioxane	9.98	1.0	10	0	99.8	60-140	0	0	-	-
2-Butanone	10.38	0.50	10	0	104	60-140	0	0	-	-
2-Hexanone	11.2	0.50	10	0	112	56.2-162	0	0	-	-
2-Propanol	9.85	1.0	10	0	98.5	60-140	0	0	-	-
4-Ethyltoluene	9.63	0.50	10	0	96.3	60-140	0	0	-	-
4-Methyl-2-pentanone	10.59	0.50	10	0	106	60-140	0	0	-	-
Acetone	9.56	1.0	10	0	95.6	60-140	0	0	-	-
Benzene	9.63	0.50	10	0	96.3	60-140	0	0	-	-
Benzyl chloride	10.41	0.50	10	0	104	31.9-174	0	0	-	-
Bromodichloromethane	10.32	0.50	10	0	103	60-140	0	0	-	-
Bromoform	10.34	0.50	10	0	103	60-140	0	0	-	-
Bromomethane	9.33	0.50	10	0	93.3	60-140	0	0	-	-
Carbon disulfide	9.85	0.50	10	0	98.5	60-140	0	0	-	-
Carbon tetrachloride	10.11	0.50	10	0	101	60-140	0	0	-	-
Chlorobenzene	9.21	0.50	10	0	92.1	60-140	0	0	-	-
Chloroethane	10.13	0.50	10	0	101	60-140	0	0	-	-
Chloroform	9.94	0.20	10	0	99.4	60-140	0	0	-	-
Chloromethane	9.87	0.50	10	0	98.7	60-140	0	0	-	-
cis-1,2-Dichloroethene	10.09	0.50	10	0	101	60-140	0	0	-	-
cis-1,3-Dichloropropene	9.94	0.50	10	0	99.4	60-140	0	0	-	-
Cumene	9.52	0.50	10	0	95.2	60-140	0	0	-	-
Cyclohexane	9.76	0.50	10	0	97.6	60-140	0	0	-	-
Dibromochloromethane	10.41	0.50	10	0	104	60-140	0	0	-	-
Dichlorodifluoromethane	10.47	0.50	10	0	105	60-140	0	0	-	-
Ethyl acetate	11.98	0.50	10	0	120	60-140	0	0	-	-
Ethylbenzene	9.39	0.50	10	0	93.9	60-140	0	0	-	-
Freon 113	9.9	0.50	10	0	99	60-140	0	0	-	-

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: MAKSolve, LLC
Work Order: 1708514
Project: Electro-Polish; 068-17; 529 Hunter Ave Dayton

QC BATCH REPORT

Batch ID: R143757	Instrument ID: VMS4	Method: ETO-15					
Freon 114	10.46	0.50	10	0	105	60-140	0
Heptane	9.84	0.50	10	0	98.4	60-140	0
Hexachlorobutadiene	9.99	0.50	10	0	99.9	60-140	0
Hexane	9.77	0.50	10	0	97.7	60-140	0
m,p-Xylene	19.64	0.50	20	0	98.2	60-140	0
Methylene chloride	8.9	0.50	10	0	89	60-140	0
MTBE	10.07	0.50	10	0	101	60.8-151	0
Naphthalene	9.99	0.20	10	0	99.9	53.1-152	0
o-Xylene	9.6	0.50	10	0	96	60-140	0
Propene	10.08	0.50	10	0	101	34.4-139	0
Styrene	9.83	0.50	10	0	98.3	60-140	0
Tetrachloroethene	9.48	0.50	10	0	94.8	60-140	0
Tetrahydrofuran	10.05	0.50	10	0	100	60-140	0
Toluene	9.69	0.50	10	0	96.9	60-140	0
trans-1,2-Dichloroethene	9.25	0.50	10	0	92.5	60-140	0
trans-1,3-Dichloropropene	10.09	0.50	10	0	101	60-140	0
Trichloroethene	9.77	0.20	10	0	97.7	60-140	0
Trichlorofluoromethane	10.23	0.50	10	0	102	60-140	0
Vinyl acetate	10.58	0.50	10	0	106	48.4-145	0
Vinyl chloride	9.85	0.50	10	0	98.5	60-140	0
<i>Surr: Bromofluorobenzene</i>	9.94	0	10	0	99.4	60-140	0

The following samples were analyzed in this batch:

1708514-11A

1708514-12A

1708514-13A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: MAKSolve, LLC
Work Order: 1708514
Project: Electro-Polish; 068-17; 529 Hunter Ave Dayton

QC BATCH REPORT

Batch ID: 45166		Instrument ID: HG1		Method: SW7470A		(Dissolve)					
MBLK Sample ID: MBLK-45166-45166				Units: µg/L		Analysis Date: 8/21/2017					
Client ID: Run ID: HG1_170821B				SeqNo: 1575620		Prep Date: 8/21/2017		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit		
Mercury	ND	0.50							Qual		
LCS Sample ID: LCS-45166-45166				Units: µg/L		Analysis Date: 8/21/2017					
Client ID: Run ID: HG1_170821B				SeqNo: 1575621		Prep Date: 8/21/2017		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit		
Mercury	4.73	0.50	5	0	94.6	80-120		0			
LCSD Sample ID: LCSD-45166-45166				Units: µg/L		Analysis Date: 8/21/2017					
Client ID: Run ID: HG1_170821B				SeqNo: 1575625		Prep Date: 8/21/2017		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit		
Mercury	4.73	0.50	5	0	94.6	80-120	4.73	0	20		
MS Sample ID: 1708514-08A MS				Units: µg/L		Analysis Date: 8/21/2017					
Client ID: SBW-6 Lab Filtered Run ID: HG1_170821B				SeqNo: 1575623		Prep Date: 8/21/2017		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit		
Mercury	4.58	0.50	5	0	91.6	75-125		0			
MSD Sample ID: 1708514-08A MSD				Units: µg/L		Analysis Date: 8/21/2017					
Client ID: SBW-6 Lab Filtered Run ID: HG1_170821B				SeqNo: 1575624		Prep Date: 8/21/2017		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit		
Mercury	4.54	0.50	5	0	90.8	75-125	4.58	0.877	20		

The following samples were analyzed in this batch:

1708514-08A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: MAKSolve, LLC
Work Order: 1708514
Project: Electro-Polish; 068-17; 529 Hunter Ave Dayton

QC BATCH REPORT

Batch ID: **45167** Instrument ID: **HG1** Method: **SW7470A**

MBLK			Sample ID: MBLK-45167-45167			Units: µg/L		Analysis Date: 8/21/2017			
Client ID:		Run ID: HG1_170821B		SeqNo: 1575605		Prep Date: 8/21/2017		DF: 1			
Analyte		Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury		ND		0.50							
LCS			Sample ID: LCS-45167-45167			Units: µg/L		Analysis Date: 8/21/2017			
Client ID:		Run ID: HG1_170821B		SeqNo: 1575606		Prep Date: 8/21/2017		DF: 1			
Analyte		Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury		5	0.50	5	0	100	80-120		0		
LCSD			Sample ID: LCSD-45167-45167			Units: µg/L		Analysis Date: 8/21/2017			
Client ID:		Run ID: HG1_170821B		SeqNo: 1575614		Prep Date: 8/21/2017		DF: 1			
Analyte		Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury		5.12	0.50	5	0	102	80-120		5	2.37	20
MS			Sample ID: 1708276-01A MS			Units: µg/L		Analysis Date: 8/21/2017			
Client ID:		Run ID: HG1_170821B		SeqNo: 1575608		Prep Date: 8/21/2017		DF: 1			
Analyte		Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury		4.95	0.50	5	0	99	75-125		0		
MSD			Sample ID: 1708276-01A MSD			Units: µg/L		Analysis Date: 8/21/2017			
Client ID:		Run ID: HG1_170821B		SeqNo: 1575609		Prep Date: 8/21/2017		DF: 1			
Analyte		Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury		5	0.50	5	0	100	75-125		4.95	1.01	20

The following samples were analyzed in this batch:

1708514-06B 1708514-07B

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: MAKSSolve, LLC
Work Order: 1708514
Project: Electro-Polish; 068-17; 529 Hunter Ave Dayton

QC BATCH REPORT

Batch ID: **45180** Instrument ID: **HG1** Method: **SW7471A**

MBLK			Sample ID: MBLK-45180-45180			Units: mg/Kg		Analysis Date: 8/21/2017			
Client ID:		Run ID: HG1_170821C		SeqNo: 1575836		Prep Date: 8/21/2017		DF: 1			
Analyte		Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury			ND	0.30							
LCS			Sample ID: LCS-45180-45180			Units: mg/Kg		Analysis Date: 8/21/2017			
Client ID:		Run ID: HG1_170821C		SeqNo: 1575837		Prep Date: 8/21/2017		DF: 1			
Analyte		Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury			1.135	0.29	1.08	0	105	70.1-161	0		
MS			Sample ID: 1708459-01B MS			Units: mg/Kg		Analysis Date: 8/21/2017			
Client ID:		Run ID: HG1_170821C		SeqNo: 1575839		Prep Date: 8/21/2017		DF: 1			
Analyte		Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury			0.7929	0.28	0.7725	0.04039	97.4	69-147	0		
MSD			Sample ID: 1708459-01B MSD			Units: mg/Kg		Analysis Date: 8/21/2017			
Client ID:		Run ID: HG1_170821C		SeqNo: 1575840		Prep Date: 8/21/2017		DF: 1			
Analyte		Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury			0.8079	0.30	0.8275	0.04039	92.8	69-147	0.7929	1.88	20

The following samples were analyzed in this batch:

1708514-03B 1708514-09B 1708514-10B

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: MAKSolve, LLC
Work Order: 1708514
Project: Electro-Polish; 068-17; 529 Hunter Ave Dayton

QC BATCH REPORT

Batch ID: **45109** Instrument ID: **ICP3** Method: **SW6010B**

Mblk Sample ID: mblk-45109-45109				Units: mg/Kg		Analysis Date: 8/17/2017 05:01 PM					
Client ID:		Run ID: ICP3_170817A		SeqNo: 1573900		Prep Date: 8/17/2017		DF: 1			
Analyte		Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic		ND		5.0							
Barium		ND		10							
Cadmium		ND		1.0							
Chromium		ND		2.0							
Lead		ND		5.0							
Selenium		ND		3.0							
Silver		ND		1.0							

LCS Sample ID: lcs-45109-45109				Units: mg/Kg		Analysis Date: 8/17/2017 05:05 PM					
Client ID:		Run ID: ICP3_170817A		SeqNo: 1573901		Prep Date: 8/17/2017		DF: 1			
Analyte		Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic		107.3	5.0	100	0	107	80-120	0			
Barium		105	10	100	0	105	80-120	0			
Cadmium		106.3	1.0	100	0	106	80-120	0			
Chromium		106	2.0	100	0	106	80-120	0			
Lead		104.2	5.0	100	0	104	80-120	0			
Selenium		107.2	3.0	100	0	107	80-120	0			
Silver		101.3	1.0	100	0	101	80-120	0			

LCSD Sample ID: lcsd-45109-45109				Units: mg/Kg		Analysis Date: 8/17/2017 05:08 PM					
Client ID:		Run ID: ICP3_170817A		SeqNo: 1573902		Prep Date: 8/17/2017		DF: 1			
Analyte		Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic		108.9	5.0	100	0	109	80-120	107.3	1.48	20	
Barium		105.5	10	100	0	106	80-120	105	0.475	20	
Cadmium		107.3	1.0	100	0	107	80-120	106.3	0.936	20	
Chromium		107.3	2.0	100	0	107	80-120	106	1.22	20	
Lead		104.5	5.0	100	0	104	80-120	104.2	0.287	20	
Selenium		107.9	3.0	100	0	108	80-120	107.2	0.651	20	
Silver		102.7	1.0	100	0	103	80-120	101.3	1.37	20	

The following samples were analyzed in this batch:

1708514-03b	1708514-09b	1708514-10b
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Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: MAKSolve, LLC
Work Order: 1708514
Project: Electro-Polish; 068-17; 529 Hunter Ave Dayton

QC BATCH REPORT

Batch ID: **45172** Instrument ID: **ICP3** Method: **SW6010B**

Mblk Sample ID: mblk-45172-45172			Units: mg/L		Analysis Date: 8/21/2017 02:09 PM				
Client ID: Run ID: ICP3_170821A		SeqNo: 1575860		Prep Date: 8/21/2017		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD Limit	Qual
Arsenic	ND	0.010							
Barium	ND	0.10							
Cadmium	ND	0.0050							
Chromium	ND	0.020							
Lead	ND	0.015							
Selenium	ND	0.030							
Silver	ND	0.010							

LCS Sample ID: lcs-45172-45172			Units: mg/L		Analysis Date: 8/21/2017 02:12 PM				
Client ID: Run ID: ICP3_170821A		SeqNo: 1575861		Prep Date: 8/21/2017		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD Limit	Qual
Arsenic	1.212	0.010	1.1	0	110	80-120	0		
Barium	1.19	0.10	1.1	0	108	80-120	0		
Cadmium	1.196	0.0050	1.1	0	109	80-120	0		
Chromium	1.154	0.020	1.1	0	105	80-120	0		
Lead	1.169	0.015	1.1	0	106	80-120	0		
Selenium	1.212	0.030	1.1	0	110	80-120	0		
Silver	1.143	0.010	1.1	0	104	80-120	0		

LCSD Sample ID: lcsd-45172-45172			Units: mg/L		Analysis Date: 8/21/2017 02:15 PM				
Client ID: Run ID: ICP3_170821A		SeqNo: 1575862		Prep Date: 8/21/2017		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD Limit	Qual
Arsenic	1.294	0.010	1.1	0	118	80-120	1.212	6.5	20
Barium	1.265	0.10	1.1	0	115	80-120	1.19	6.09	20
Cadmium	1.273	0.0050	1.1	0	116	80-120	1.196	6.24	20
Chromium	1.256	0.020	1.1	0	114	80-120	1.154	8.49	20
Lead	1.244	0.015	1.1	0	113	80-120	1.169	6.2	20
Selenium	1.288	0.030	1.1	0	117	80-120	1.212	6.07	20
Silver	1.232	0.010	1.1	0	112	80-120	1.143	7.5	20

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: MAKSolve, LLC
Work Order: 1708514
Project: Electro-Polish; 068-17; 529 Hunter Ave Dayton

QC BATCH REPORT

Batch ID: **45172** Instrument ID: **ICP3** Method: **SW6010B**

MS	Sample ID: 1708431-02a ms			Units: mg/L			Analysis Date: 8/21/2017 02:37 PM			
Client ID:	Run ID: ICP3_170821A			SeqNo: 1575867			Prep Date: 8/21/2017 DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	1.184	0.010	1.1	0.003048	107	75-125		0		
Barium	1.182	0.10	1.1	0.0423	104	75-125		0		
Cadmium	1.155	0.0050	1.1	-0.00033	105	75-125		0		
Chromium	1.119	0.020	1.1	0.002194	102	75-125		0		
Lead	1.113	0.015	1.1	0.00119	101	75-125		0		
Selenium	1.176	0.030	1.1	0.0005489	107	75-125		0		
Silver	1.115	0.010	1.1	0.0002486	101	75-125		0		

MSD	Sample ID: 1708431-02a msd			Units: mg/L			Analysis Date: 8/21/2017 02:40 PM			
Client ID:	Run ID: ICP3_170821A			SeqNo: 1575868			Prep Date: 8/21/2017 DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	1.178	0.010	1.1	0.003048	107	75-125	1.184	0.466	20	
Barium	1.178	0.10	1.1	0.0423	103	75-125	1.182	0.373	20	
Cadmium	1.152	0.0050	1.1	-0.00033	105	75-125	1.155	0.286	20	
Chromium	1.1	0.020	1.1	0.002194	99.8	75-125	1.119	1.7	20	
Lead	1.112	0.015	1.1	0.00119	101	75-125	1.113	0.0989	20	
Selenium	1.167	0.030	1.1	0.0005489	106	75-125	1.176	0.751	20	
Silver	1.092	0.010	1.1	0.0002486	99.2	75-125	1.115	2.12	20	

The following samples were analyzed in this batch:

1708514-06b 1708514-07b

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: MAKSolve, LLC
Work Order: 1708514
Project: Electro-Polish; 068-17; 529 Hunter Ave Dayton

QC BATCH REPORT

Batch ID: 45173		Instrument ID: ICP3		Method: SW6010B		(Dissolve)					
MBLK	Sample ID: mblk-45173-45173			Units: mg/L		Analysis Date: 8/21/2017 01:44 PM					
Client ID:	Run ID: ICP3_170821A			SeqNo: 1575793		Prep Date: 8/21/2017		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit		
Arsenic	ND	0.010									
Barium	ND	0.10									
Cadmium	ND	0.0050									
Chromium	ND	0.010									
Selenium	ND	0.030									
Silver	ND	0.010									
MBLK	Sample ID: mblk-45173-45173			Units: mg/L		Analysis Date: 8/21/2017 03:41 PM					
Client ID:	Run ID: ICP3_170821A			SeqNo: 1575824		Prep Date: 8/21/2017		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit		
Lead	ND	0.015									
LCS	Sample ID: Ics-45173-45173			Units: mg/L		Analysis Date: 8/21/2017 01:48 PM					
Client ID:	Run ID: ICP3_170821A			SeqNo: 1575794		Prep Date: 8/21/2017		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit		
Arsenic	1.169	0.010	1.1	0	106	80-120	0				
Barium	1.148	0.10	1.1	0	104	80-120	0				
Cadmium	1.152	0.0050	1.1	0	105	80-120	0				
Chromium	1.134	0.010	1.1	0	103	80-120	0				
Lead	1.155	0.015	1.1	0	105	80-120	0				
Selenium	1.165	0.030	1.1	0	106	80-120	0				
Silver	1.112	0.010	1.1	0	101	80-120	0				
LCSD	Sample ID: Icsd-45173-45173			Units: mg/L		Analysis Date: 8/21/2017 01:57 PM					
Client ID:	Run ID: ICP3_170821A			SeqNo: 1575795		Prep Date: 8/21/2017		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit		
Arsenic	1.168	0.010	1.1	0	106	80-120	1.169	0.0941	20		
Barium	1.143	0.10	1.1	0	104	80-120	1.148	0.48	20		
Cadmium	1.15	0.0050	1.1	0	104	80-120	1.152	0.191	20		
Chromium	1.134	0.010	1.1	0	103	80-120	1.134	0	20		
Lead	1.135	0.015	1.1	0	103	80-120	1.155	1.73	20		
Selenium	1.162	0.030	1.1	0	106	80-120	1.165	0.284	20		
Silver	1.104	0.010	1.1	0	100	80-120	1.112	0.695	20		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: MAKSolve, LLC
Work Order: 1708514
Project: Electro-Polish; 068-17; 529 Hunter Ave Dayton

QC BATCH REPORT

Batch ID: **45173** Instrument ID: **ICP3** Method: **SW6010B** (Dissolve)

MS		Sample ID: 1708514-08a ms			Units: mg/L		Analysis Date: 8/21/2017 02:03 PM			
Client ID: SBW-6 Lab Filtered		Run ID: ICP3_170821A			SeqNo: 1575797		Prep Date: 8/21/2017		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	1.148	0.010	1.1	0.00177	104	75-125	0	-	-	-
Barium	1.188	0.10	1.1	0.09793	99.1	75-125	0	-	-	-
Cadmium	1.12	0.0050	1.1	-0.0004598	102	75-125	0	-	-	-
Chromium	1.073	0.010	1.1	0.003391	97.2	75-125	0	-	-	-
Lead	1.067	0.015	1.1	0.005507	96.5	75-125	0	-	-	-
Selenium	1.138	0.030	1.1	-0.002634	104	75-125	0	-	-	-
Silver	1.075	0.010	1.1	-0.0005313	97.8	75-125	0	-	-	-

MSD		Sample ID: 1708514-08a msd			Units: mg/L		Analysis Date: 8/21/2017 02:06 PM			
Client ID: SBW-6 Lab Filtered		Run ID: ICP3_170821A			SeqNo: 1575798		Prep Date: 8/21/2017		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	1.158	0.010	1.1	0.00177	105	75-125	1.148	0.858	20	-
Barium	1.191	0.10	1.1	0.09793	99.4	75-125	1.188	0.277	20	-
Cadmium	1.126	0.0050	1.1	-0.0004598	102	75-125	1.12	0.588	20	-
Chromium	1.074	0.010	1.1	0.003391	97.3	75-125	1.073	0.082	20	-
Lead	1.079	0.015	1.1	0.005507	97.5	75-125	1.067	1.11	20	-
Selenium	1.145	0.030	1.1	-0.002634	104	75-125	1.138	0.578	20	-
Silver	1.083	0.010	1.1	-0.0005313	98.5	75-125	1.075	0.754	20	-

The following samples were analyzed in this batch:

1708514-08a

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: MAKSolve, LLC
Work Order: 1708514
Project: Electro-Polish; 068-17; 529 Hunter Ave Dayton

QC BATCH REPORT

Batch ID: **45097** Instrument ID: **SVMS1** Method: **SW8270C**

Analyte	Sample ID: MBLK-45097-45097		Units: µg/Kg		Analysis Date: 8/17/2017 07:27 PM						
	Client ID:	Run ID: SVMS1_170817A	SeqNo: 1574241	Prep Date: 8/17/2017	DF: 1	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit
1-Methylnaphthalene	ND	200									
2-Methylnaphthalene	ND	200									
Acenaphthene	ND	200									
Acenaphthylene	ND	200									
Anthracene	ND	200									
Benzo(a)anthracene	ND	100									
Benzo(a)pyrene	ND	200									
Benzo(b)fluoranthene	ND	200									
Benzo(g,h,i)perylene	ND	200									
Benzo(k)fluoranthene	ND	200									
Carbazole	ND	200									
Chrysene	ND	200									
Dibenzo(a,h)anthracene	ND	200									
Dibenzofuran	ND	200									
Fluoranthene	ND	200									
Fluorene	ND	200									
Indeno(1,2,3-cd)pyrene	ND	100									
Naphthalene	ND	200									
Phenanthrene	ND	200									
Pyrene	ND	200									
Surr: 2-Fluorobiphenyl	2678	0	3332	0	80.4	30-116			0		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: MAKSolve, LLC
Work Order: 1708514
Project: Electro-Polish; 068-17; 529 Hunter Ave Dayton

QC BATCH REPORT

Batch ID: **45097** Instrument ID: **SVMS1** Method: **SW8270C**

LCS		Sample ID: LCS-45097-45097			Units: µg/Kg		Analysis Date: 8/17/2017 07:51 PM			
Client ID:		Run ID: SVMS1_170817A			SeqNo: 1574242		Prep Date: 8/17/2017		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	2476	200	3328	0	74.4	52-119		0		
Acenaphthylene	2700	200	3328	0	81.1	46-118		0		
Anthracene	2909	200	3328	0	87.4	56-109		0		
Benzo(a)anthracene	2611	100	3328	0	78.5	48-121		0		
Benzo(a)pyrene	2726	200	3328	0	81.9	49.3-104		0		
Benzo(b)fluoranthene	2604	200	3328	0	78.2	44-115		0		
Benzo(g,h,i)perylene	2709	200	3328	0	81.4	47.9-113		0		
Benzo(k)fluoranthene	2927	200	3328	0	88	51.6-103		0		
Chrysene	3003	200	3328	0	90.2	59.4-110		0		
Dibenzo(a,h)anthracene	2769	200	3328	0	83.2	47.7-102		0		
Fluoranthene	3026	200	3328	0	90.9	52.7-118		0		
Fluorene	2684	200	3328	0	80.6	51.6-109		0		
Indeno(1,2,3-cd)pyrene	2799	100	3328	0	84.1	48.7-108		0		
Naphthalene	2520	200	3328	0	75.7	50-106		0		
Phenanthrene	2786	200	3328	0	83.7	59-109		0		
Pyrene	2972	200	3328	0	89.3	55-117		0		
<i>Surr: 2-Fluorobiphenyl</i>	2677	0	3328	0	80.4	30-116		0		

ms		Sample ID: 1708548-03ams			Units: µg/Kg		Analysis Date: 8/17/2017 08:15 PM			
Client ID:		Run ID: SVMS1_170817A			SeqNo: 1574243		Prep Date: 8/17/2017		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	2761	200	3328	0	83	44-108		0		
Acenaphthylene	2969	200	3328	0	89.2	54-116		0		
Anthracene	3109	200	3328	38.05	92.3	51-106		0		
Benzo(a)anthracene	3414	100	3328	422.6	89.9	47-114		0		
Benzo(a)pyrene	3681	200	3328	472.6	96.4	55-106		0		
Benzo(b)fluoranthene	3869	200	3328	719.6	94.6	40-106		0		
Benzo(g,h,i)perylene	3480	200	3328	325.8	94.8	49-113		0		
Benzo(k)fluoranthene	3507	200	3328	259.7	97.6	48.6-107		0		
Chrysene	4004	200	3328	524	105	52-107		0		E
Dibenzo(a,h)anthracene	3149	200	3328	64.09	92.7	46-116		0		
Fluoranthene	5432	200	3328	777.7	140	52-120		0		SE
Fluorene	3011	200	3328	0	90.5	53-107		0		
Indeno(1,2,3-cd)pyrene	3669	100	3328	339.1	100	51-107		0		
Naphthalene	2726	200	3328	0	81.9	18.2-126		0		
Phenanthrene	4024	200	3328	192.9	115	52-105		0		SE
Pyrene	4939	200	3328	737.7	126	51-111		0		SE
<i>Surr: 2-Fluorobiphenyl</i>	2969	0	3328	0	89.2	30-116		0		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: MAKSolve, LLC
Work Order: 1708514
Project: Electro-Polish; 068-17; 529 Hunter Ave Dayton

QC BATCH REPORT

Batch ID: **45097** Instrument ID: **SVMS1** Method: **SW8270C**

msd	Sample ID: 1708548-03amsd			Units: µg/Kg			Analysis Date: 8/17/2017 08:39 PM			
Client ID:	Run ID: SVMS1_170817A			SeqNo: 1574244			Prep Date: 8/17/2017		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	2420	200	3332	0	72.6	44-108	2761	13.1	20	
Acenaphthylene	2702	200	3332	0	81.1	54-116	2969	9.41	20	
Anthracene	2843	200	3332	38.05	84.2	51-106	3109	8.94	24	
Benzo(a)anthracene	3426	100	3332	422.6	90.1	47-114	3414	0.348	21	
Benzo(a)pyrene	3630	200	3332	472.6	94.7	55-106	3681	1.4	20	
Benzo(b)fluoranthene	3925	200	3332	719.6	96.2	40-106	3869	1.45	20	
Benzo(g,h,i)perylene	3260	200	3332	325.8	88.1	49-113	3480	6.51	20	
Benzo(k)fluoranthene	3340	200	3332	259.7	92.4	48.6-107	3507	4.89	24	
Chrysene	3851	200	3332	524	99.8	52-107	4004	3.89	19	
Dibenzo(a,h)anthracene	2820	200	3332	64.09	82.7	46-116	3149	11	20	
Fluoranthene	4724	200	3332	777.7	118	52-120	5432	13.9	20	E
Fluorene	2646	200	3332	0	79.4	53-107	3011	12.9	20	
Indeno(1,2,3-cd)pyrene	3448	100	3332	339.1	93.3	51-107	3669	6.2	20	
Naphthalene	2442	200	3332	0	73.3	18.2-126	2726	11	20	
Phenanthrene	3282	200	3332	192.9	92.7	52-105	4024	20.3	20	R
Pyrene	4480	200	3332	737.7	112	51-111	4939	9.76	20	SE
Surr: 2-Fluorobiphenyl	2576	0	3332	0	77.3	30-116	2969	14.1		

The following samples were analyzed in this batch:

1708514-03b	1708514-04b	1708514-05b
1708514-09b	1708514-10b	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: MAKSolve, LLC
Work Order: 1708514
Project: Electro-Polish; 068-17; 529 Hunter Ave Dayton

QC BATCH REPORT

Batch ID: **45098** Instrument ID: **SVMS3** Method: **SW8270C**

Analyte	Sample ID: MBLK-45098-45098		Units: µg/L		Analysis Date: 8/17/2017 06:12 PM				
	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD Limit	Qual
1-Methylnaphthalene	ND	0.20							
2-Methylnaphthalene	ND	0.20							
Acenaphthene	ND	0.20							
Acenaphthylene	ND	0.20							
Anthracene	ND	0.20							
Benzo(a)anthracene	ND	0.20							
Benzo(a)pyrene	ND	0.10							
Benzo(b)fluoranthene	ND	0.10							
Benzo(g,h,i)perylene	ND	0.20							
Benzo(k)fluoranthene	ND	0.20							
Carbazole	ND	0.20							
Chrysene	ND	0.20							
Dibenzo(a,h)anthracene	ND	0.10							
Dibenzofuran	ND	0.20							
Fluoranthene	ND	0.20							
Fluorene	ND	0.20							
Indeno(1,2,3-cd)pyrene	ND	0.10							
Naphthalene	ND	0.20							
Phenanthrene	ND	0.20							
Pyrene	ND	0.20							
Surr: 2-Fluorobiphenyl	2.56	0	5	0	51.2	21.6-144	0		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: MAKSolve, LLC
Work Order: 1708514
Project: Electro-Polish; 068-17; 529 Hunter Ave Dayton

QC BATCH REPORT

Batch ID: **45098** Instrument ID: **SVMS3** Method: **SW8270C**

LCS	Sample ID: LCS-45098-45098			Units: µg/L		Analysis Date: 8/17/2017 06:29 PM				
Client ID:	Run ID: SVMS3_170817A			SeqNo: 1574268		Prep Date: 8/17/2017		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	2.89	0.20	5	0	57.8	53-119		0		
Acenaphthylene	3.26	0.20	5	0	65.2	39.6-123		0		
Anthracene	3.2	0.20	5	0	64	54-112		0		
Benzo(a)anthracene	3.81	0.20	5	0	76.2	49-128		0		
Benzo(a)pyrene	3.76	0.15	5	0	75.2	52.2-128		0		
Benzo(b)fluoranthene	4.04	0.15	5	0	80.8	56.2-115		0		
Benzo(g,h,i)perylene	4.16	0.20	5	0	83.2	53.5-113		0		
Benzo(k)fluoranthene	3.68	0.20	5	0	73.6	61-127		0		
Chrysene	4.27	0.20	5	0	85.4	62-116		0		
Dibenzo(a,h)anthracene	4.07	0.15	5	0	81.4	47.1-168		0		
Fluoranthene	3.43	0.20	5	0	68.6	52.9-111		0		
Fluorene	3.42	0.20	5	0	68.4	59-111		0		
Indeno(1,2,3-cd)pyrene	4.13	0.15	5	0	82.6	56.3-141		0		
Naphthalene	3.34	0.20	5	0	66.8	42.9-114		0		
Phenanthrene	3.5	0.20	5	0	70	61-110		0		
Pyrene	3.35	0.20	5	0	67	51-129		0		
<i>Surr: 2-Fluorobiphenyl</i>	3.2	0	5	0	64	21.6-144		0		

The following samples were analyzed in this batch:

1708514-06c 1708514-07c 1708514-08b

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: MAKSolve, LLC
Work Order: 1708514
Project: Electro-Polish; 068-17; 529 Hunter Ave Dayton

QC BATCH REPORT

Batch ID: R143743 Instrument ID: VMS1 Method: SW8260B

Mblk	Sample ID: MBLK-R143743	Units: µg/L			Analysis Date: 8/16/2017 01:46 PM				
Client ID:	Run ID: VMS1_170817A	SeqNo: 1573227			Prep Date:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	ND		5.0						
1,1,1-Trichloroethane	ND		5.0						
1,1,2,2-Tetrachloroethane	ND		5.0						
1,1,2-Trichloroethane	ND		5.0						
1,1-Dichloroethane	ND		5.0						
1,1-Dichloroethene	ND		5.0						
1,1-Dichloropropene	ND		5.0						
1,2,3-Trichlorobenzene	ND		5.0						
1,2,3-Trichloropropane	ND		5.0						
1,2,4-Trichlorobenzene	ND		5.0						
1,2,4-Trimethylbenzene	ND		5.0						
1,2-Dibromo-3-chloropropane	ND		5.0						
1,2-Dibromoethane	ND		5.0						
1,2-Dichlorobenzene	ND		5.0						
1,2-Dichloroethane	ND		5.0						
1,2-Dichloropropane	ND		5.0						
1,3,5-Trimethylbenzene	ND		5.0						
1,3-Dichlorobenzene	ND		5.0						
1,3-Dichloropropane	ND		5.0						
1,4-Dichlorobenzene	ND		5.0						
2,2-Dichloropropane	ND		5.0						
2-Butanone	ND		50						
2-Chlorotoluene	ND		5.0						
2-Hexanone	ND		5.0						
4-Chlorotoluene	ND		5.0						
4-Methyl-2-pentanone	ND		5.0						
Acetone	ND		50						
Benzene	ND		5.0						
Bromobenzene	ND		5.0						
Bromochloromethane	ND		5.0						
Bromodichloromethane	ND		5.0						
Bromoform	ND		5.0						
Bromomethane	ND		5.0						
Carbon disulfide	ND		5.0						
Carbon tetrachloride	ND		5.0						
Chlorobenzene	ND		5.0						
Chloroethane	ND		5.0						
Chloroform	ND		5.0						
Chloromethane	ND		5.0						
cis-1,2-Dichloroethene	ND		5.0						
cis-1,3-Dichloropropene	ND		5.0						
Dibromochloromethane	ND		5.0						

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: MAKSolve, LLC
Work Order: 1708514
Project: Electro-Polish; 068-17; 529 Hunter Ave Dayton

QC BATCH REPORT

Batch ID: R143743	Instrument ID: VMS1	Method: SW8260B				
Dibromomethane	ND	5.0				
Dichlorodifluoromethane	ND	5.0				
Ethylbenzene	ND	5.0				
Hexachlorobutadiene	ND	5.0				
Isopropylbenzene	ND	5.0				
m,p-Xylene	ND	5.0				
Methyl tert-butyl ether	ND	5.0				
Methylene chloride	ND	5.0				
Naphthalene	ND	5.0				
n-Butylbenzene	ND	5.0				
n-Propylbenzene	ND	5.0				
o-Xylene	ND	5.0				
p-Isopropyltoluene	ND	5.0				
sec-Butylbenzene	ND	5.0				
Styrene	ND	5.0				
tert-Butylbenzene	ND	5.0				
Tetrachloroethene	ND	5.0				
Toluene	ND	5.0				
trans-1,2-Dichloroethene	ND	5.0				
trans-1,3-Dichloropropene	ND	5.0				
Trichloroethene	ND	5.0				
Trichlorofluoromethane	ND	5.0				
Vinyl chloride	ND	2.0				
Xylenes, Total	ND	10				
Surr: 4-Bromofluorobenzene	47.87	0	50	0	95.7	61-131
Surr: Dibromofluoromethane	48.47	0	50	0	96.9	87-126
Surr: Toluene-d8	53.18	0	50	0	106	84-111

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: MAKSolve, LLC
Work Order: 1708514
Project: Electro-Polish; 068-17; 529 Hunter Ave Dayton

QC BATCH REPORT

Batch ID: **R143743** Instrument ID: **VMS1** Method: **SW8260B**

LCS	Sample ID: Ics-R143743			Units: µg/L			Analysis Date: 8/16/2017 12:18 PM			
Client ID:	Run ID: VMS1_170817A			SeqNo: 1573224			Prep Date:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	41.98	5.0	50	0	84	48.4-140		0		
1,1-Dichloroethene	36.9	5.0	50	0	73.8	45.5-150		0		
1,2-Dichloroethane	40.77	5.0	50	0	81.5	46.5-141		0		
1,3-Dichlorobenzene	33	5.0	50	0	66	42.5-133		0		
1,4-Dichlorobenzene	33.12	5.0	50	0	66.2	38.9-136		0		
Benzene	40.7	5.0	50	0	81.4	50.7-134		0		
Carbon tetrachloride	42.22	5.0	50	0	84.4	45.5-143		0		
Chlorobenzene	36.98	5.0	50	0	74	45-133		0		
Chloroform	38.68	5.0	50	0	77.4	52.4-136		0		
cis-1,2-Dichloroethene	38.34	5.0	50	0	76.7	49.7-138		0		
Ethylbenzene	36.21	5.0	50	0	72.4	37.8-145		0		
m,p-Xylene	68.58	5.0	100	0	68.6	25.1-163		0		
Methyl tert-butyl ether	34.55	5.0	50	0	69.1	26.7-174		0		
Styrene	33.39	5.0	50	0	66.8	26.3-172		0		
Tetrachloroethylene	34.94	5.0	50	0	69.9	37.3-139		0		
Toluene	39.48	5.0	50	0	79	44-135		0		
Trichloroethylene	38.52	5.0	50	0	77	45.9-140		0		
Xylenes, Total	103.5	10	150	0	69	47.3-132		0		
Surr: 4-Bromofluorobenzene	48.71	0	50	0	97.4	61-131		0		
Surr: Dibromofluoromethane	49.32	0	50	0	98.6	87-126		0		
Surr: Toluene-d8	55.2	0	50	0	110	84-111		0		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: MAKSolve, LLC
Work Order: 1708514
Project: Electro-Polish; 068-17; 529 Hunter Ave Dayton

QC BATCH REPORT

Batch ID: R143743 Instrument ID: VMS1 Method: SW8260B

MS	Sample ID: 1708167-08A MS			Units: µg/L		Analysis Date: 8/16/2017 12:56 PM				
Client ID:	Run ID: VMS1_170817A			SeqNo: 1573225		Prep Date:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	42.79	5.0	50	0	85.6	40.4-134		0		
1,1-Dichloroethene	39.15	5.0	50	0	78.3	45.3-151		0		
1,2-Dichloroethane	41.43	5.0	50	0	82.9	37-139		0		
1,3-Dichlorobenzene	36.43	5.0	50	0	72.9	42.9-121		0		
1,4-Dichlorobenzene	36.9	5.0	50	0	73.8	53.4-129		0		
Benzene	41.62	5.0	50	0	83.2	37.4-144		0		
Carbon tetrachloride	43.06	5.0	50	0	86.1	33.8-150		0		
Chlorobenzene	41.24	5.0	50	0	82.5	52.4-132		0		
Chloroform	42.04	5.0	50	0	84.1	45.5-135		0		
cis-1,2-Dichloroethene	41.22	5.0	50	0	82.4	35.2-150		0		
Ethylbenzene	41.57	5.0	50	0	83.1	46.5-146		0		
m,p-Xylene	82.95	5.0	100	0	83	38.2-167		0		
Styrene	39.68	5.0	50	0	79.4	20.9-184		0		
Tetrachloroethene	41.47	5.0	50	0	82.9	55.2-134		0		
Toluene	41.25	5.0	50	0	82.5	32.7-140		0		
Trichloroethene	39.68	5.0	50	0	79.4	29.1-153		0		
Xylenes, Total	123.5	10	150	0	82.3	43.6-148		0		
Surr: 4-Bromofluorobenzene	49.14	0	50	0	98.3	61-131		0		
Surr: Dibromofluoromethane	48.64	0	50	0	97.3	87-126		0		
Surr: Toluene-d8	48.05	0	50	0	96.1	84-111		0		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: MAKSolve, LLC
Work Order: 1708514
Project: Electro-Polish; 068-17; 529 Hunter Ave Dayton

QC BATCH REPORT

Batch ID: R143743 Instrument ID: VMS1 Method: SW8260B

MSD	Sample ID: 1708167-08A MSD			Units: µg/L			Analysis Date: 8/16/2017 01:21 PM			
Client ID:	Run ID: VMS1_170817A			SeqNo: 1573226			Prep Date:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	45.02	5.0	50	0	90	40.4-134	42.79	5.08	20	
1,1-Dichloroethene	42	5.0	50	0	84	45.3-151	39.15	7.02	20	
1,2-Dichloroethane	41.18	5.0	50	0	82.4	37-139	41.43	0.605	20	
1,3-Dichlorobenzene	38.42	5.0	50	0	76.8	42.9-121	36.43	5.32	20	
1,4-Dichlorobenzene	39.58	5.0	50	0	79.2	53.4-129	36.9	7.01	20	
Benzene	44	5.0	50	0	88	37.4-144	41.62	5.56	20	
Carbon tetrachloride	45.05	5.0	50	0	90.1	33.8-150	43.06	4.52	20	
Chlorobenzene	41.41	5.0	50	0	82.8	52.4-132	41.24	0.411	20	
Chloroform	44.11	5.0	50	0	88.2	45.5-135	42.04	4.81	20	
cis-1,2-Dichloroethene	42.71	5.0	50	0	85.4	35.2-150	41.22	3.55	21	
Ethylbenzene	43.9	5.0	50	0	87.8	46.5-146	41.57	5.45	20	
m,p-Xylene	84.84	5.0	100	0	84.8	38.2-167	82.95	2.25	20	
Styrene	38.68	5.0	50	0	77.4	20.9-184	39.68	2.55	20	
Tetrachloroethene	42.79	5.0	50	0	85.6	55.2-134	41.47	3.13	20	
Toluene	43.69	5.0	50	0	87.4	32.7-140	41.25	5.75	20	
Trichloroethene	42.15	5.0	50	0	84.3	29.1-153	39.68	6.04	20	
Xylenes, Total	125.8	10	150	0	83.8	43.6-148	123.5	1.81	20	
Surr: 4-Bromofluorobenzene	48.02	0	50	0	96	61-131	49.14	2.31		
Surr: Dibromofluoromethane	50.38	0	50	0	101	87-126	48.64	3.51		
Surr: Toluene-d8	51.8	0	50	0	104	84-111	48.05	7.51		

The following samples were analyzed in this batch:

1708514-01A	1708514-02A	1708514-06A
1708514-07A		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: MAKSolve, LLC
Work Order: 1708514
Project: Electro-Polish; 068-17; 529 Hunter Ave Dayton

QC BATCH REPORT

Batch ID: R143836 Instrument ID: VMS2 Method: SW8260B

Mblk	Sample ID: MBLK-R143836				Units: µg/Kg				Analysis Date: 8/18/2017 09:46 AM		
Client ID:		Run ID: VMS2_170818A			SeqNo: 1575325	Prep Date:			DF: 1		
Analyte		Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane		ND		5.0							
1,1,1-Trichloroethane		ND		5.0							
1,1,2,2-Tetrachloroethane		ND		5.0							
1,1,2-Trichloroethane		ND		5.0							
1,1-Dichloroethane		ND		5.0							
1,1-Dichloroethene		ND		5.0							
1,1-Dichloropropene		ND		5.0							
1,2,3-Trichlorobenzene		ND		5.0							
1,2,3-Trichloropropane		ND		5.0							
1,2,4-Trichlorobenzene		ND		5.0							
1,2,4-Trimethylbenzene		ND		5.0							
1,2-Dibromo-3-chloropropane		ND		5.0							
1,2-Dibromoethane		ND		5.0							
1,2-Dichlorobenzene		ND		5.0							
1,2-Dichloroethane		ND		5.0							
1,2-Dichloropropane		ND		5.0							
1,3,5-Trimethylbenzene		ND		5.0							
1,3-Dichlorobenzene		ND		5.0							
1,3-Dichloropropane		ND		5.0							
1,4-Dichlorobenzene		ND		5.0							
2,2-Dichloropropane		ND		5.0							
2-Butanone		ND		50							
2-Chlorotoluene		ND		5.0							
2-Hexanone		ND		5.0							
4-Chlorotoluene		ND		5.0							
4-Methyl-2-pentanone		ND		5.0							
Acetone		ND		50							
Benzene		ND		5.0							
Bromobenzene		ND		5.0							
Bromochloromethane		ND		5.0							
Bromodichloromethane		ND		5.0							
Bromoform		ND		5.0							
Bromomethane		ND		5.0							
Carbon disulfide		ND		5.0							
Carbon tetrachloride		ND		5.0							
Chlorobenzene		ND		5.0							
Chloroethane		ND		5.0							
Chloroform		ND		5.0							
Chloromethane		ND		5.0							
cis-1,2-Dichloroethene		ND		5.0							
cis-1,3-Dichloropropene		ND		5.0							
Dibromochloromethane		ND		5.0							

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: MAKSolve, LLC
Work Order: 1708514
Project: Electro-Polish; 068-17; 529 Hunter Ave Dayton

QC BATCH REPORT

Batch ID: R143836	Instrument ID: VMS2	Method: SW8260B					
Dibromomethane	ND	5.0					
Dichlorodifluoromethane	ND	5.0					
Ethylbenzene	ND	5.0					
Hexachlorobutadiene	ND	5.0					
Isopropylbenzene	ND	5.0					
m,p-Xylene	ND	5.0					
Methyl tert-butyl ether	ND	5.0					
Methylene chloride	ND	20					
Naphthalene	ND	5.0					
n-Butylbenzene	ND	5.0					
n-Propylbenzene	ND	5.0					
o-Xylene	ND	5.0					
p-Isopropyltoluene	ND	5.0					
sec-Butylbenzene	ND	5.0					
Styrene	ND	5.0					
tert-Butylbenzene	ND	5.0					
Tetrachloroethene	ND	5.0					
Toluene	ND	5.0					
trans-1,2-Dichloroethene	ND	5.0					
trans-1,3-Dichloropropene	ND	5.0					
Trichloroethene	ND	5.0					
Trichlorofluoromethane	ND	5.0					
Vinyl chloride	ND	5.0					
Xylenes, Total	ND	10					
Surr: 4-Bromofluorobenzene	50.37	0	50	0	101	62.7-159	0
Surr: Dibromofluoromethane	65.37	0	50	0	131	67.3-136	0
Surr: Toluene-d8	49.05	0	50	0	98.1	83-124	0

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: MAKSolve, LLC
Work Order: 1708514
Project: Electro-Polish; 068-17; 529 Hunter Ave Dayton

QC BATCH REPORT

Batch ID: **R143836** Instrument ID: **VMS2** Method: **SW8260B**

LCS	Sample ID: LCS-R143836			Units: µg/Kg			Analysis Date: 8/18/2017 10:08 AM			
Client ID:	Run ID: VMS2_170818A			SeqNo: 1575326			Prep Date:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	46.58	5.0	50	0	93.2	53.6-149	0	0	-	-
1,1-Dichloroethene	51.36	5.0	50	0	103	38.8-176	0	0	-	-
1,2-Dichloroethane	44.13	5.0	50	0	88.3	54.4-145	0	0	-	-
1,3-Dichlorobenzene	49.48	5.0	50	0	99	54.2-137	0	0	-	-
1,4-Dichlorobenzene	50.31	5.0	50	0	101	52.8-135	0	0	-	-
Benzene	45.32	5.0	50	0	90.6	56-148	0	0	-	-
Carbon tetrachloride	48.9	5.0	50	0	97.8	51.9-151	0	0	-	-
Chlorobenzene	47.44	5.0	50	0	94.9	55.4-137	0	0	-	-
Chloroform	56.99	5.0	50	0	114	51.1-147	0	0	-	-
cis-1,2-Dichloroethene	53.22	5.0	50	0	106	47.6-149	0	0	-	-
Ethylbenzene	47.96	5.0	50	0	95.9	55.8-142	0	0	-	-
m,p-Xylene	97.33	5.0	100	0	97.3	57.6-141	0	0	-	-
Styrene	45.34	5.0	50	0	90.7	59.6-143	0	0	-	-
Tetrachloroethene	51.49	5.0	50	0	103	56.2-160	0	0	-	-
Toluene	46.82	5.0	50	0	93.6	56-143	0	0	-	-
Trichloroethene	45.2	5.0	50	0	90.4	56.5-143	0	0	-	-
Surr: 4-Bromofluorobenzene	51.06	0	50	0	102	62.7-159	0	0	S	
Surr: Dibromofluoromethane	68.32	0	50	0	137	67.3-136	0	0		
Surr: Toluene-d8	50.99	0	50	0	102	83-124	0	0		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: MAKSolve, LLC
Work Order: 1708514
Project: Electro-Polish; 068-17; 529 Hunter Ave Dayton

QC BATCH REPORT

Batch ID: R143836 Instrument ID: VMS2 Method: SW8260B

MS	Sample ID: 1708514-03A MS			Units: µg/Kg			Analysis Date: 8/18/2017 11:22 AM			
Client ID:	SB3	8-10	Run ID:	VMS2_170818A	SeqNo:	1575329	Prep Date:	DF:	1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	45.41	5.0	50	0	90.8	66.9-140	0	0	-	-
1,1-Dichloroethene	47.94	5.0	50	0	95.9	41.4-161	0	0	-	-
1,2-Dichloroethane	44.45	5.0	50	0	88.9	58.9-137	0	0	-	-
1,3-Dichlorobenzene	49.5	5.0	50	0	99	56.3-126	0	0	-	-
1,4-Dichlorobenzene	49.35	5.0	50	0	98.7	58.3-122	0	0	-	-
Benzene	44.24	5.0	50	0	88.5	35.8-162	0	0	-	-
Carbon tetrachloride	47.26	5.0	50	0	94.5	53.2-137	0	0	-	-
Chlorobenzene	46.95	5.0	50	0	93.9	65.6-137	0	0	-	-
Chloroform	55.04	5.0	50	0	110	58-130	0	0	-	-
cis-1,2-Dichloroethene	51.08	5.0	50	0	102	52.9-138	0	0	-	-
Ethylbenzene	46.89	5.0	50	0	93.8	57.5-134	0	0	-	-
m,p-Xylene	95.35	5.0	100	0	95.4	56.4-135	0	0	-	-
Styrene	47.51	5.0	50	0	95	60.9-135	0	0	-	-
Tetrachloroethene	63.76	5.0	50	0	128	52.1-160	0	0	-	-
Toluene	46.17	5.0	50	0	92.3	67.7-135	0	0	-	-
Trichloroethene	45.23	5.0	50	0	90.5	56.5-136	0	0	-	-
Surr: 4-Bromofluorobenzene	51.91	0	50	0	104	62.7-159	0	0	-	-
Surr: Dibromofluoromethane	67.47	0	50	0	135	67.3-136	0	0	-	-
Surr: Toluene-d8	51.72	0	50	0	103	83-124	0	0	-	-

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: MAKSolve, LLC
Work Order: 1708514
Project: Electro-Polish; 068-17; 529 Hunter Ave Dayton

QC BATCH REPORT

Batch ID: R143836 Instrument ID: VMS2 Method: SW8260B

MSD	Sample ID: 1708514-03A MSD			Units: µg/Kg			Analysis Date: 8/18/2017 02:13 PM			
Client ID:	SB3	8-10	Run ID:	VMS2_170818A	SeqNo:	1575334	Prep Date:	DF:	1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	49.5	5.0	50	0	99	66.9-140	45.41	8.62	31.2	-
1,1-Dichloroethene	51.05	5.0	50	0	102	41.4-161	47.94	6.28	38.1	-
1,2-Dichloroethane	48.07	5.0	50	0	96.1	58.9-137	44.45	7.83	26.2	-
1,3-Dichlorobenzene	52.74	5.0	50	0	105	56.3-126	49.5	6.34	21	-
1,4-Dichlorobenzene	55.03	5.0	50	0	110	58.3-122	49.35	10.9	28.7	-
Benzene	48.12	5.0	50	0	96.2	35.8-162	44.24	8.4	23.6	-
Carbon tetrachloride	50.73	5.0	50	0	101	53.2-137	47.26	7.08	32.3	-
Chlorobenzene	51.19	5.0	50	0	102	65.6-137	46.95	8.64	20	-
Chloroform	59.06	5.0	50	0	118	58-130	55.04	7.05	28.2	-
cis-1,2-Dichloroethene	55.54	5.0	50	0	111	52.9-138	51.08	8.37	23.7	-
Ethylbenzene	50.71	5.0	50	0	101	57.5-134	46.89	7.83	24.9	-
m,p-Xylene	103.5	5.0	100	0	104	56.4-135	95.35	8.2	25.1	-
Styrene	49.62	5.0	50	0	99.2	60.9-135	47.51	4.34	22.8	-
Tetrachloroethene	67.23	5.0	50	0	134	52.1-160	63.76	5.3	24.7	-
Toluene	49.7	5.0	50	0	99.4	67.7-135	46.17	7.36	20	-
Trichloroethene	49.24	5.0	50	0	98.5	56.5-136	45.23	8.49	20	-
Surr: 4-Bromofluorobenzene	52.44	0	50	0	105	62.7-159	51.91	1.02		
Surr: Dibromofluoromethane	67.17	0	50	0	134	67.3-136	67.47	0.446		
Surr: Toluene-d8	51.3	0	50	0	103	83-124	51.72	0.815		

The following samples were analyzed in this batch:

1708514-03A	1708514-04A	1708514-05A
1708514-09A	1708514-10A	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: MAKSolve, LLC
Work Order: 1708514
Project: Electro-Polish; 068-17; 529 Hunter Ave Dayton

QC BATCH REPORT

Batch ID: R143841 Instrument ID: VMS1 Method: SW8260B

Mblk	Sample ID:	mblk-R143841		Units: µg/L		Analysis Date: 8/18/2017 12:07 PM					
Client ID:		Run ID: VMS1_170818A		SeqNo: 1575380		Prep Date:		DF: 1			
Analyte		Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane		ND		5.0							
1,1,1-Trichloroethane		ND		5.0							
1,1,2,2-Tetrachloroethane		ND		5.0							
1,1,2-Trichloroethane		ND		5.0							
1,1-Dichloroethane		ND		5.0							
1,1-Dichloroethene		ND		5.0							
1,1-Dichloropropene		ND		5.0							
1,2,3-Trichlorobenzene		ND		5.0							
1,2,3-Trichloropropane		ND		5.0							
1,2,4-Trichlorobenzene		ND		5.0							
1,2,4-Trimethylbenzene		ND		5.0							
1,2-Dibromo-3-chloropropane		ND		5.0							
1,2-Dibromoethane		ND		5.0							
1,2-Dichlorobenzene		ND		5.0							
1,2-Dichloroethane		ND		5.0							
1,2-Dichloropropane		ND		5.0							
1,3,5-Trimethylbenzene		ND		5.0							
1,3-Dichlorobenzene		ND		5.0							
1,3-Dichloropropane		ND		5.0							
1,4-Dichlorobenzene		ND		5.0							
2,2-Dichloropropane		ND		5.0							
2-Butanone		ND		50							
2-Chlorotoluene		ND		5.0							
2-Hexanone		ND		5.0							
4-Chlorotoluene		ND		5.0							
4-Methyl-2-pentanone		ND		5.0							
Acetone		ND		50							
Benzene		ND		5.0							
Bromobenzene		ND		5.0							
Bromochloromethane		ND		5.0							
Bromodichloromethane		ND		5.0							
Bromoform		ND		5.0							
Bromomethane		ND		5.0							
Carbon disulfide		ND		5.0							
Carbon tetrachloride		ND		5.0							
Chlorobenzene		ND		5.0							
Chloroethane		ND		5.0							
Chloroform		ND		5.0							
Chloromethane		ND		5.0							
cis-1,2-Dichloroethene		ND		5.0							
cis-1,3-Dichloropropene		ND		5.0							
Dibromochloromethane		ND		5.0							

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: MAKSolve, LLC
Work Order: 1708514
Project: Electro-Polish; 068-17; 529 Hunter Ave Dayton

QC BATCH REPORT

Batch ID: R143841	Instrument ID: VMS1	Method: SW8260B					
Dibromomethane	ND	5.0					
Dichlorodifluoromethane	ND	5.0					
Ethylbenzene	ND	5.0					
Hexachlorobutadiene	ND	5.0					
Isopropylbenzene	ND	5.0					
m,p-Xylene	ND	5.0					
Methyl tert-butyl ether	ND	5.0					
Methylene chloride	ND	5.0					
Naphthalene	ND	5.0					
n-Butylbenzene	ND	5.0					
n-Propylbenzene	ND	5.0					
o-Xylene	ND	5.0					
p-Isopropyltoluene	ND	5.0					
sec-Butylbenzene	ND	5.0					
Styrene	ND	5.0					
tert-Butylbenzene	ND	5.0					
Tetrachloroethene	ND	5.0					
Toluene	ND	5.0					
trans-1,2-Dichloroethene	ND	5.0					
trans-1,3-Dichloropropene	ND	5.0					
Trichloroethene	ND	5.0					
Trichlorofluoromethane	ND	5.0					
Vinyl chloride	ND	2.0					
Xylenes, Total	ND	10					
Surr: 4-Bromofluorobenzene	47.11	0	50	0	94.2	61-131	0
Surr: Dibromofluoromethane	46.56	0	50	0	93.1	87-126	0
Surr: Toluene-d8	50.35	0	50	0	101	84-111	0

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: MAKSolve, LLC
Work Order: 1708514
Project: Electro-Polish; 068-17; 529 Hunter Ave Dayton

QC BATCH REPORT

Batch ID: **R143841** Instrument ID: **VMS1** Method: **SW8260B**

LCS	Sample ID: Ics-R143841			Units: µg/L			Analysis Date: 8/18/2017 11:43 AM			
Client ID:	Run ID: VMS1_170818A			SeqNo: 1575379			Prep Date: 			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	27.89	5.0	50	0	55.8	48.4-140	0	0	-	-
1,1-Dichloroethene	36.77	5.0	50	0	73.5	45.5-150	0	0	-	-
1,2-Dichloroethane	27.79	5.0	50	0	55.6	46.5-141	0	0	-	-
1,3-Dichlorobenzene	36.39	5.0	50	0	72.8	42.5-133	0	0	-	-
1,4-Dichlorobenzene	36.8	5.0	50	0	73.6	38.9-136	0	0	-	-
Benzene	38.73	5.0	50	0	77.5	50.7-134	0	0	-	-
Carbon tetrachloride	27.52	5.0	50	0	55	45.5-143	0	0	-	-
Chlorobenzene	37.38	5.0	50	0	74.8	45-133	0	0	-	-
Chloroform	35.35	5.0	50	0	70.7	52.4-136	0	0	-	-
cis-1,2-Dichloroethene	42.37	5.0	50	0	84.7	49.7-138	0	0	-	-
Ethylbenzene	34.35	5.0	50	0	68.7	37.8-145	0	0	-	-
m,p-Xylene	66.56	5.0	100	0	66.6	25.1-163	0	0	-	-
Methyl tert-butyl ether	30.58	5.0	50	0	61.2	26.7-174	0	0	-	-
Styrene	36.56	5.0	50	0	73.1	26.3-172	0	0	-	-
Tetrachloroethylene	38.3	5.0	50	0	76.6	37.3-139	0	0	-	-
Toluene	40.38	5.0	50	0	80.8	44-135	0	0	-	-
Trichloroethylene	41.05	5.0	50	0	82.1	45.9-140	0	0	-	-
Xylenes, Total	100.5	10	150	0	67	47.3-132	0	0	-	-
<i>Surr: 4-Bromofluorobenzene</i>	47.75	0	50	0	95.5	61-131	0	0	-	-
<i>Surr: Dibromofluoromethane</i>	45.5	0	50	0	91	87-126	0	0	-	-
<i>Surr: Toluene-d8</i>	50.24	0	50	0	100	84-111	0	0	-	-

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: MAKSolve, LLC
Work Order: 1708514
Project: Electro-Polish; 068-17; 529 Hunter Ave Dayton

QC BATCH REPORT

Batch ID: R143841 Instrument ID: VMS1 Method: SW8260B

MS	Sample ID: 1708501-02A MS			Units: µg/L		Analysis Date: 8/18/2017 02:08 PM				
Client ID:	Run ID: VMS1_170818A			SeqNo: 1575385		Prep Date:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	28.66	5.0	50	0	57.3	40.4-134		0		-
1,1-Dichloroethene	36.28	5.0	50	0	72.6	45.3-151		0		-
1,2-Dichloroethane	28.28	5.0	50	0	56.6	37-139		0		-
1,3-Dichlorobenzene	35.42	5.0	50	0	70.8	42.9-121		0		-
1,4-Dichlorobenzene	35.69	5.0	50	0	71.4	53.4-129		0		-
Benzene	39.13	5.0	50	0	78.3	37.4-144		0		-
Carbon tetrachloride	28.24	5.0	50	0	56.5	33.8-150		0		-
Chlorobenzene	37.62	5.0	50	0	75.2	52.4-132		0		-
Chloroform	35.34	5.0	50	0	70.7	45.5-135		0		-
cis-1,2-Dichloroethene	42.37	5.0	50	0	84.7	35.2-150		0		-
Ethylbenzene	34.66	5.0	50	0	69.3	46.5-146		0		-
m,p-Xylene	66.21	5.0	100	0	66.2	38.2-167		0		-
Styrene	35.56	5.0	50	0	71.1	20.9-184		0		-
Tetrachloroethene	38.77	5.0	50	0	77.5	55.2-134		0		-
Toluene	40.57	5.0	50	0	81.1	32.7-140		0		-
Trichloroethene	40.79	5.0	50	0	81.6	29.1-153		0		-
Xylenes, Total	99.71	10	150	0	66.5	43.6-148		0		-
Surr: 4-Bromofluorobenzene	48.62	0	50	0	97.2	61-131		0		-
Surr: Dibromofluoromethane	45.97	0	50	0	91.9	87-126		0		-
Surr: Toluene-d8	50.36	0	50	0	101	84-111		0		-

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: MAKSolve, LLC
Work Order: 1708514
Project: Electro-Polish; 068-17; 529 Hunter Ave Dayton

QC BATCH REPORT

Batch ID: R143841 Instrument ID: VMS1 Method: SW8260B

MSD	Sample ID: 1708501-02A MSD			Units: µg/L			Analysis Date: 8/18/2017 02:33 PM			
Client ID:	Run ID: VMS1_170818A			SeqNo: 1575386			Prep Date:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	29.75	5.0	50	0	59.5	40.4-134	28.66	3.73	20	-
1,1-Dichloroethene	36.35	5.0	50	0	72.7	45.3-151	36.28	0.193	20	-
1,2-Dichloroethane	29.61	5.0	50	0	59.2	37-139	28.28	4.59	20	-
1,3-Dichlorobenzene	39.33	5.0	50	0	78.7	42.9-121	35.42	10.5	20	-
1,4-Dichlorobenzene	40.37	5.0	50	0	80.7	53.4-129	35.69	12.3	20	-
Benzene	40.46	5.0	50	0	80.9	37.4-144	39.13	3.34	20	-
Carbon tetrachloride	29.54	5.0	50	0	59.1	33.8-150	28.24	4.5	20	-
Chlorobenzene	41.01	5.0	50	0	82	52.4-132	37.62	8.62	20	-
Chloroform	36.47	5.0	50	0	72.9	45.5-135	35.34	3.15	20	-
cis-1,2-Dichloroethene	43.33	5.0	50	0	86.7	35.2-150	42.37	2.24	21	-
Ethylbenzene	37.64	5.0	50	0	75.3	46.5-146	34.66	8.24	20	-
m,p-Xylene	72.65	5.0	100	0	72.6	38.2-167	66.21	9.28	20	-
Styrene	40.11	5.0	50	0	80.2	20.9-184	35.56	12	20	-
Tetrachloroethene	41.08	5.0	50	0	82.2	55.2-134	38.77	5.79	20	-
Toluene	43.27	5.0	50	0	86.5	32.7-140	40.57	6.44	20	-
Trichloroethene	42.42	5.0	50	0	84.8	29.1-153	40.79	3.92	20	-
Xylenes, Total	109.9	10	150	0	73.2	43.6-148	99.71	9.69	20	-
Surr: 4-Bromofluorobenzene	47.75	0	50	0	95.5	61-131	48.62	1.81		
Surr: Dibromofluoromethane	45.27	0	50	0	90.5	87-126	45.97	1.53		
Surr: Toluene-d8	50.58	0	50	0	101	84-111	50.36	0.436		

The following samples were analyzed in this batch:

1708514-01A 1708514-02A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: MAKSolve, LLC
Work Order: 1708514
Project: Electro-Polish; 068-17; 529 Hunter Ave Dayton

QC BATCH REPORT

Batch ID: **R143869** Instrument ID: **VMS2** Method: **SW8260B**

Analyte	Sample ID: MBLK-R143869		Units: µg/Kg		Analysis Date: 8/21/2017 10:07 AM					
	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0								
1,1,1-Trichloroethane	ND	5.0								
1,1,2,2-Tetrachloroethane	ND	5.0								
1,1,2-Trichloroethane	ND	5.0								
1,1-Dichloroethane	ND	5.0								
1,1-Dichloroethene	ND	5.0								
1,1-Dichloropropene	ND	5.0								
1,2,3-Trichlorobenzene	ND	5.0								
1,2,3-Trichloropropane	ND	5.0								
1,2,4-Trichlorobenzene	ND	5.0								
1,2,4-Trimethylbenzene	ND	5.0								
1,2-Dibromo-3-chloropropane	ND	5.0								
1,2-Dibromoethane	ND	5.0								
1,2-Dichlorobenzene	ND	5.0								
1,2-Dichloroethane	ND	5.0								
1,2-Dichloropropane	ND	5.0								
1,3,5-Trimethylbenzene	ND	5.0								
1,3-Dichlorobenzene	ND	5.0								
1,3-Dichloropropane	ND	5.0								
1,4-Dichlorobenzene	ND	5.0								
2,2-Dichloropropane	ND	5.0								
2-Butanone	ND	50								
2-Chlorotoluene	ND	5.0								
2-Hexanone	ND	5.0								
4-Chlorotoluene	ND	5.0								
4-Methyl-2-pentanone	ND	5.0								
Acetone	ND	50								
Benzene	ND	5.0								
Bromobenzene	ND	5.0								
Bromochloromethane	ND	5.0								
Bromodichloromethane	ND	5.0								
Bromoform	ND	5.0								
Bromomethane	ND	5.0								
Carbon disulfide	ND	5.0								
Carbon tetrachloride	ND	5.0								
Chlorobenzene	ND	5.0								
Chloroethane	ND	5.0								
Chloroform	ND	5.0								
Chloromethane	ND	5.0								
cis-1,2-Dichloroethene	ND	5.0								
cis-1,3-Dichloropropene	ND	5.0								
Dibromochloromethane	ND	5.0								

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: MAKSolve, LLC
Work Order: 1708514
Project: Electro-Polish; 068-17; 529 Hunter Ave Dayton

QC BATCH REPORT

Batch ID: R143869	Instrument ID: VMS2	Method: SW8260B				
Dibromomethane	ND	5.0				
Dichlorodifluoromethane	ND	5.0				
Ethylbenzene	ND	5.0				
Hexachlorobutadiene	ND	5.0				
Isopropylbenzene	ND	5.0				
m,p-Xylene	ND	5.0				
Methyl tert-butyl ether	ND	5.0				
Methylene chloride	ND	20				
Naphthalene	ND	5.0				
n-Butylbenzene	ND	5.0				
n-Propylbenzene	ND	5.0				
o-Xylene	ND	5.0				
p-Isopropyltoluene	ND	5.0				
sec-Butylbenzene	ND	5.0				
Styrene	ND	5.0				
tert-Butylbenzene	ND	5.0				
Tetrachloroethene	ND	5.0				
Toluene	ND	5.0				
trans-1,2-Dichloroethene	ND	5.0				
trans-1,3-Dichloropropene	ND	5.0				
Trichloroethene	ND	5.0				
Trichlorofluoromethane	ND	5.0				
Vinyl chloride	ND	5.0				
Xylenes, Total	ND	10				
Surr: 4-Bromofluorobenzene	47.69	0	50	0	95.4	62.7-159
Surr: Dibromofluoromethane	50.17	0	50	0	100	67.3-136
Surr: Toluene-d8	48.85	0	50	0	97.7	83-124

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: MAKSolve, LLC
Work Order: 1708514
Project: Electro-Polish; 068-17; 529 Hunter Ave Dayton

QC BATCH REPORT

Batch ID: **R143869** Instrument ID: **VMS2** Method: **SW8260B**

LCS	Sample ID: LCS-R143869			Units: µg/Kg			Analysis Date: 8/21/2017 10:30 AM			
Client ID:	Run ID: VMS2_170821A			SeqNo: 1576284			Prep Date:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	37.68	5.0	50	0	75.4	53.6-149		0		
1,1-Dichloroethene	39.62	5.0	50	0	79.2	38.8-176		0		
1,2-Dichloroethane	38	5.0	50	0	76	54.4-145		0		
1,3-Dichlorobenzene	35.53	5.0	50	0	71.1	54.2-137		0		
1,4-Dichlorobenzene	34.55	5.0	50	0	69.1	52.8-135		0		
Benzene	38.23	5.0	50	0	76.5	56-148		0		
Carbon tetrachloride	36.15	5.0	50	0	72.3	51.9-151		0		
Chlorobenzene	37.92	5.0	50	0	75.8	55.4-137		0		
Chloroform	38.36	5.0	50	0	76.7	51.1-147		0		
cis-1,2-Dichloroethene	36.33	5.0	50	0	72.7	47.6-149		0		
Ethylbenzene	37.8	5.0	50	0	75.6	55.8-142		0		
m,p-Xylene	76.9	5.0	100	0	76.9	57.6-141		0		
Styrene	37.67	5.0	50	0	75.3	59.6-143		0		
Tetrachloroethene	39.1	5.0	50	0	78.2	56.2-160		0		
Toluene	38.16	5.0	50	0	76.3	56-143		0		
Trichloroethene	36.78	5.0	50	0	73.6	56.5-143		0		
Surr: 4-Bromofluorobenzene	50.9	0	50	0	102	62.7-159		0		
Surr: Dibromofluoromethane	51.24	0	50	0	102	67.3-136		0		
Surr: Toluene-d8	50.85	0	50	0	102	83-124		0		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: MAKSolve, LLC
Work Order: 1708514
Project: Electro-Polish; 068-17; 529 Hunter Ave Dayton

QC BATCH REPORT

Batch ID: **R143869** Instrument ID: **VMS2** Method: **SW8260B**

MS	Sample ID: 1708514-04A MS			Units: µg/Kg		Analysis Date: 8/21/2017 11:01 AM				
Client ID:	Run ID: VMS2_170821A			SeqNo: 1576285		Prep Date:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	42.04	5.0	50	0	84.1	66.9-140		0		
1,1-Dichloroethene	45.57	5.0	50	0	91.1	41.4-161		0		
1,2-Dichloroethane	40.72	5.0	50	0	81.4	58.9-137		0		
1,3-Dichlorobenzene	38.85	5.0	50	0	77.7	56.3-126		0		
1,4-Dichlorobenzene	37.66	5.0	50	0	75.3	58.3-122		0		
Benzene	41.89	5.0	50	0	83.8	35.8-162		0		
Carbon tetrachloride	40.12	5.0	50	0	80.2	53.2-137		0		
Chlorobenzene	42.58	5.0	50	0	85.2	65.6-137		0		
Chloroform	42.03	5.0	50	0	84.1	58-130		0		
cis-1,2-Dichloroethene	40.46	5.0	50	0	80.9	52.9-138		0		
Ethylbenzene	41.78	5.0	50	0	83.6	57.5-134		0		
m,p-Xylene	86.24	5.0	100	0	86.2	56.4-135		0		
Styrene	41.91	5.0	50	0	83.8	60.9-135		0		
Tetrachloroethene	43.83	5.0	50	0	87.7	52.1-160		0		
Toluene	41.62	5.0	50	0	83.2	67.7-135		0		
Trichloroethene	39.53	5.0	50	0	79.1	56.5-136		0		
<i>Surr: 4-Bromofluorobenzene</i>	50.36	0	50	0	101	62.7-159		0		
<i>Surr: Dibromofluoromethane</i>	51.32	0	50	0	103	67.3-136		0		
<i>Surr: Toluene-d8</i>	50.13	0	50	0	100	83-124		0		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: MAKSolve, LLC
Work Order: 1708514
Project: Electro-Polish; 068-17; 529 Hunter Ave Dayton

QC BATCH REPORT

Batch ID: **R143869** Instrument ID: **VMS2** Method: **SW8260B**

MSD Sample ID: 1708514-04A MSD				Units: µg/Kg			Analysis Date: 8/21/2017 12:02 PM			
Client ID: SB4 6-7		Run ID: VMS2_170821A		SeqNo: 1576286		Prep Date:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	47.95	5.0	50	0	95.9	66.9-140	42.04	13.1	31.2	
1,1-Dichloroethene	58.13	5.0	50	0	116	41.4-161	45.57	24.2	38.1	
1,2-Dichloroethane	46.51	5.0	50	0	93	58.9-137	40.72	13.3	26.2	
1,3-Dichlorobenzene	44.4	5.0	50	0	88.8	56.3-126	38.85	13.3	21	
1,4-Dichlorobenzene	44.03	5.0	50	0	88.1	58.3-122	37.66	15.6	28.7	
Benzene	47.35	5.0	50	0	94.7	35.8-162	41.89	12.2	23.6	
Carbon tetrachloride	45.52	5.0	50	0	91	53.2-137	40.12	12.6	32.3	
Chlorobenzene	46.5	5.0	50	0	93	65.6-137	42.58	8.8	20	
Chloroform	49.39	5.0	50	0	98.8	58-130	42.03	16.1	28.2	
cis-1,2-Dichloroethene	47.56	5.0	50	0	95.1	52.9-138	40.46	16.1	23.7	
Ethylbenzene	46.74	5.0	50	0	93.5	57.5-134	41.78	11.2	24.9	
m,p-Xylene	93.24	5.0	100	0	93.2	56.4-135	86.24	7.8	25.1	
Styrene	45.76	5.0	50	0	91.5	60.9-135	41.91	8.78	22.8	
Tetrachloroethene	49.04	5.0	50	0	98.1	52.1-160	43.83	11.2	24.7	
Toluene	45.84	5.0	50	0	91.7	67.7-135	41.62	9.65	20	
Trichloroethene	44.43	5.0	50	0	88.9	56.5-136	39.53	11.7	20	
Surr: 4-Bromofluorobenzene	49.82	0	50	0	99.6	62.7-159	50.36	1.08		
Surr: Dibromofluoromethane	52.56	0	50	0	105	67.3-136	51.32	2.39		
Surr: Toluene-d8	48.49	0	50	0	97	83-124	50.13	3.33		

The following samples were analyzed in this batch:

1708514-04A	1708514-05A	1708514-09A
1708514-10A		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: MAKSolve, LLC
Project: Electro-Polish; 068-17; 529 Hunter Ave Dayton
WorkOrder: 1708514

**QUALIFIERS,
ACRONYMS, UNITS**

<u>Qualifier</u>	<u>Description</u>
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL

<u>Acronym</u>	<u>Description</u>
DUP	Method Duplicate
E	EPA Method
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitaion Limit
SDL	Sample Detection Limit
SW	SW-846 Method

<u>Units Reported</u>	<u>Description</u>
% of sample	
µg/L	
µg/m³	
mg/Kg-dry	
mg/L	
ppbv	

ALS Environmental

Sample Receipt Checklist

Client Name: **MAKSOLVE-DAYTON**

Date/Time Received: **15-Aug-17 09:00**

Work Order: **1708514**

Received by: **SNH**

Checklist completed by: **Rob Nieman**

eSignature

16-Aug-17

Date

Reviewed by: **Rob Nieman**

eSignature

17-Aug-17

Date

Matrices:

Carrier name: **Courier**

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Container/Temp Blank temperature in compliance?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	

Temperature(s)/Thermometer(s):

2.3

Cooler(s)/Kit(s):

Water - VOA vials have zero headspace?

Yes No No VOA vials submitted

Water - pH acceptable upon receipt?

Yes No N/A

pH adjusted?

Yes No N/A

pH adjusted by:

-

Login Notes:

Client Contacted:

Date Contacted:

Person Contacted:

Contacted By:

Regarding:

Comments:

CorrectiveAction: